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WATER QUALITY CONSERVATION, ARKANSAS-RED RIVER BASINS. APPENDIX. VOLUME II. WATER QUALITY DATA. PART 4. STREAM UNIFORMITY STUDY DATA AND BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES, RED RIVER BASIN

Public Health Service
Dallas, Texas

March 1964

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WATER QUALITY CONSERVATION
ARKANSAS-RED RIVER BASINS
APPENDIX
VOLUME II - WATER QUALITY DATA
Part 4

Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses
Red River Basin

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Public Health Service, Region VII
Dallas, Texas
MARCH 1964

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WATER QUALITY CONSERVATION

ARKANSAS-RED RIVER BASINS

APPENDIX
VOLUME II - WATER QUALITY DATA

Part 4

Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses Red River Basin

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service, Region VII
Dallas, Texas

MARCH 1964

Ia

INTRODUCTION

The compilation of water quality data collected during the 27-month period of intensive study (July 1960 through September 1962) of the Arkansas-Red River Basins Water Quality Conservation Project is presented in five parts. These data were gathered to provide a basis for (1) location and definition of the significant natural and manmade sources of salt (mineral) pollution, and (2) determination of the effects of these sources on the quality of water in the receiving streams. The intensive investigation of water quality and natural sources of mineral pollution was limited to the central portions of both basins, the area in which major salt sources exist, and mineral pollution is most severe.

Stream quality monitoring consisted of continuous specific conductance recording combined with continuous flow measurement (flow gaging was carried out by U.S. Geological Survey and U.S. Army Corps of Engineers). Weekly grab samples were collected and analyzed to provide a basis for correlation of specific conductance with dissolved solids, chlorides, and sulfate concentration. In addition to these, samples were collected for trace elements and radioactivity analyses.

Streams uniformity analysis were run to corroborate the applicability of the continuous record of specific conductance or to provide a guide for adjustment sampling point within the stream cross section.

The five parts of Volume II are arranged as follows.

Part 1 Monthly Summary of Continuous Recorded Flow and Quality Data.
Daily Flow and Continuous Recorded Quality Data.
Chemical Analyses of Natural Brines Sources.

Part 2 Chemical Analyses.

Part 3 Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses - Arkansas River Basin.

Part 4 Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses - Red River Basin.

Part 5 Trace Elements Analyses.
Radioactivity Record.
Index to tabulations.

The first year of stream monitoring included 64 stations, and 55 during the second year. These stations are located as shown on Figure 1. The Public Health Service is continuing the operation of a surveillance monitoring network at 36 stations and is continuing other special field studies related to this problem.

Explanation of Tabulations

General

Data tabulations are arranged according to basin in upstream order. The downstream station on the main stem is first, followed by the next upstream station. Where a tributary enters between two main stem stations, all of its stations in a upstream order are shown between the two main stream stations.

The following general identification is provided for each tabulation of data except the chemical analyses of natural brine sources(in Part 1 of this volume).

Public Health Service Station Number (No.): This number was assigned to identify each monitoring station location. (See the "Monthly Summaries of Continuous Recorded Flow and Quality Data" in Part I of this volume for U.S. Geological Survey - USGS-Station Number when applicable.)

Location: Designates the stream monitored and the general location of the station with respect to the nearest community. The geodetic description of the station is presented on the "Monthly Summary of Continuous Recorded Flow and Quality Data" in Part 1 of this volume.

Basin: Indicates the major basin in which the water quality monitoring station is located.

Tributary to: Identifies the stream to which the monitored stream is tributary, when the watercourse being monitored is other than the Arkansas or Red Rivers.

All data computations were made by the Statistical Services Section, Sanitary Engineering Center, U.S. Public Health Service, Cincinnati, Ohio, using a Honeywell 400 computer. All programming and related work were done by personnel of the Statistical Services Section, with the aid of Project personnel and personnel of the Field Operations Section, Technical Services Branch, Water Supply and Pollution Control Division, Cincinnati, Ohio.

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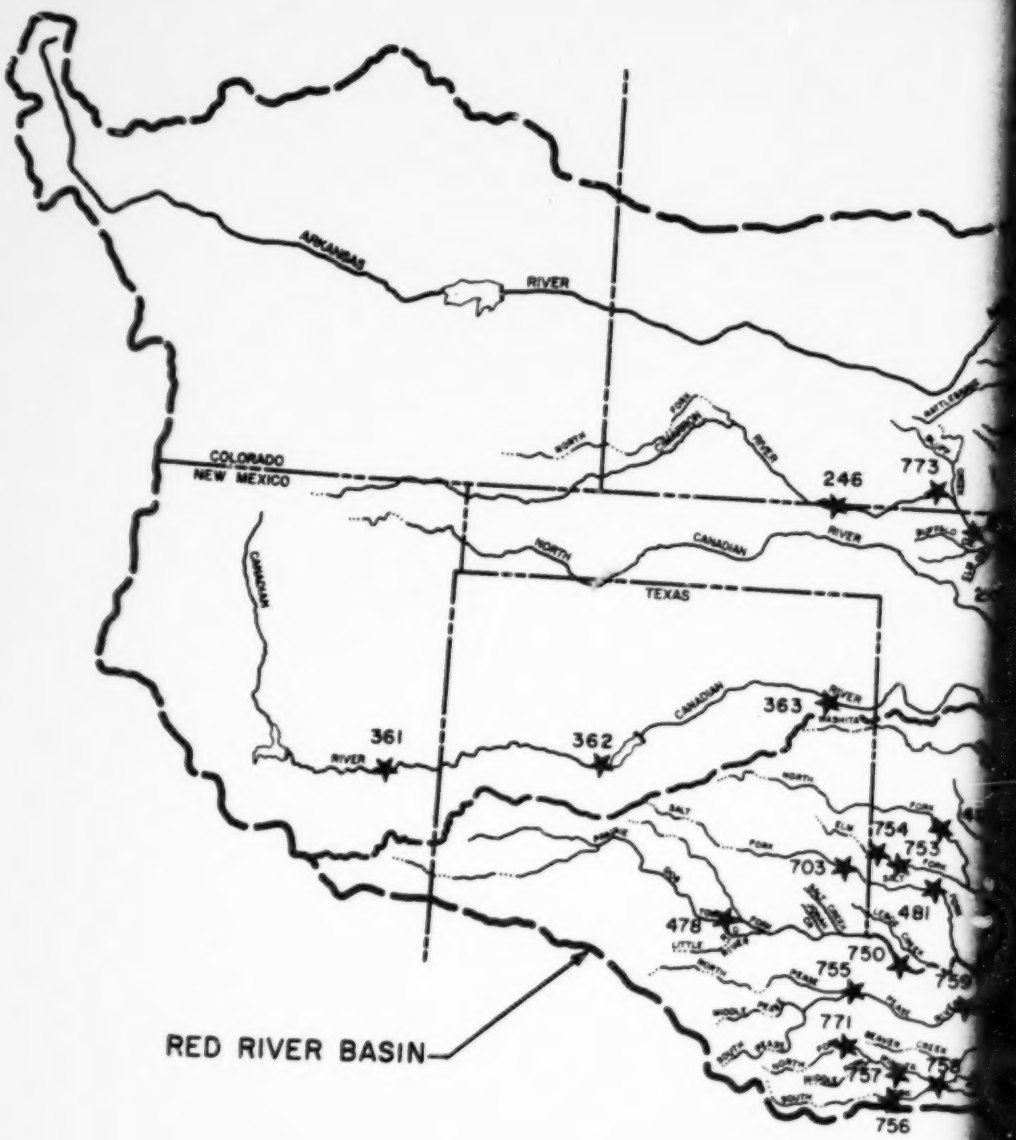

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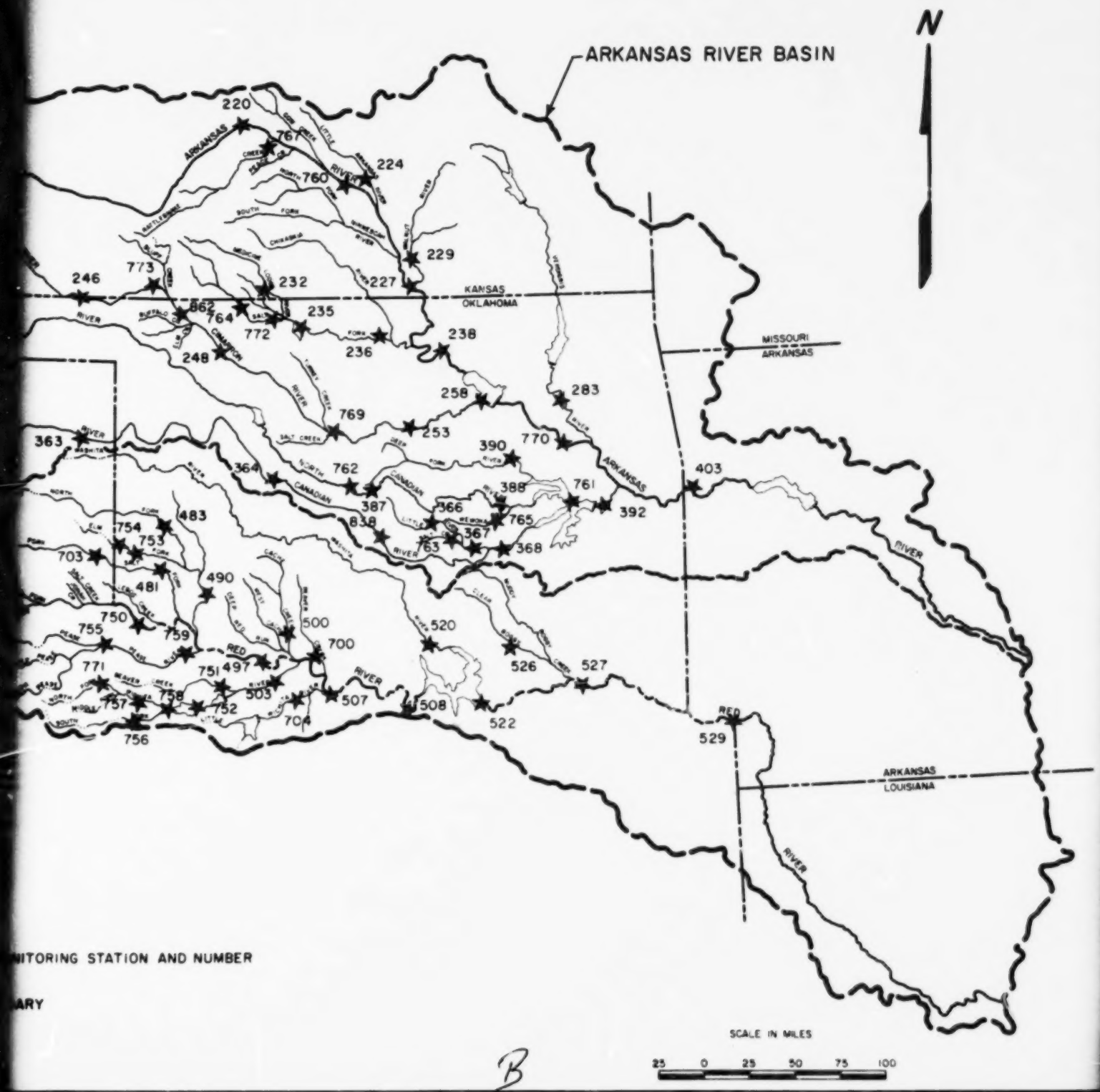

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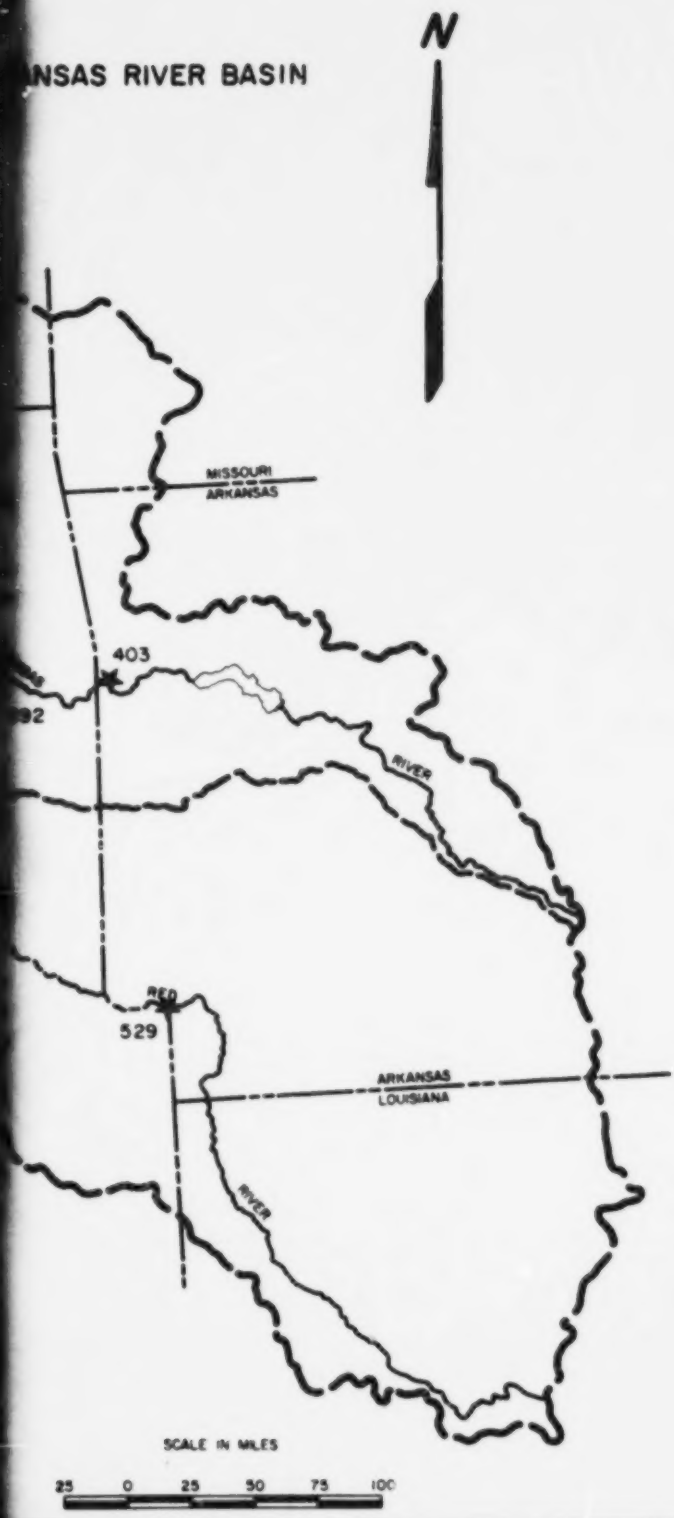

ARKANSAS–RED RIVER BASINS
WATER QUALITY CONSERVATION PROJECT

WATER QUALITY MONITORING STATIONS

U.S. DEPARTMENT OF HEALTH, EDUCATION, & WELFARE
PUBLIC HEALTH SERVICE
REGION VII DALLAS, TEXAS

FIGURE 1

All chemical analyses, unless otherwise noted, and radioactivity measurement, were carried out in accordance with procedures set forth in "Standard Methods for the Examination of Water and Wastewater," 11th edition, 1960, American Public Health Association, New York 19, New York, except sulfate determinations in the Public Health Service laboratories, where a modified turbidimetric procedure was used to improve accuracy. Rare metals (included in Trace Elements Analyses) were analyzed by semi-quantitative spectrographic procedures.

Part 1

Monthly Summary of Continuous Recorded Flow and Quality Data

This tabulation summarizes the two basic measurements, continuous specific conductance and continuous streamflow. The bases for this tabulation are the "Daily Flow and Continuous Recorded Quality Data" which follow the summary tabulations.

Correlations between conductance and concentration of chlorides, sulfates, and dissolved solids, were determined for each station from analyses of weekly grab samples collected during the study (see Parts 3 and 4 of this volume for the tabulations of "Basis for Correlation of Specific Conductance and Chemical Analyses"). These individual correlations were used to compute constituent concentrations. The correlation equations are shown for each tabulation. Flow measurements were then used to translate concentrations in mg/l to load in tons per day.

Also presented as a part of this tabulation is a summary of main stream flow data consisting of mean annual flow for the period of record and the range of annual flows, in cubic feet per second (cfs), together with an indication of the period or flow record (in years).

"Remarks" are comments on conditions during the period of intensive study.

All tabulations indicate zero (0) when the measurement was zero and a dash (-) when no data were obtained.

All flow data included in this compilation are provisional data furnished by the U.S. District Office of the Surface Water Branch of the U.S. Geological Survey in Arkansas, Kansas, New Mexico, Oklahoma, and Texas. The maximum and minimum of the daily means are shown for each month and for the entire year. Complete flow measurements are shown in this part including periods when no specific conductance was measured.

Weighted Mean (Wt. Mean) - This value in mg/l of the mineral constituent for any period (day, month, or year) is the total weight of the constituent divided by total volume of flow for the period of measurement. The specific conductance, as measured continuously, was weighted similarly for any period. The concentration of each constituent was computed from the specific conductance, using correlation equations derived from laboratory analyses of weekly grab samples.

The tabulation shows the highest and lowest of the daily means of specific conductance recorded and concentration computed during each month and the water year. Instantaneous maximum and minimum of each constituent for the water year are shown under "Remarks". A zero daily mean concentration (and load) representing a zero daily flow was not considered in selection of the monthly and annual minimum daily means. Zero daily flows are shown, however.

When continuous specific conductance measurements were not obtained for a significant portion of the total streamflow in a water year, an engineering review was made of the nonmeasured periods and reasonable quality estimates assigned to all or a portion of the flow. Flow rates, flow patterns, continuous recorder qualities before and after the no-record period, similarity of flows and patterns to measured periods, and results of grab samples were used to select reasonable estimates of quality for periods up to several weeks.

Chemical Analyses of Natural Brine Sources

This is a tabulation of the results of chemical analyses of grab samples collected at the various natural brine sources described in Volume I of this appendix and located as shown on Figure 2 (at the back of Part 1 of Volume II).

Each tabulation is identified as to Area Location, Area No. as designated on maps and charts, Collection Point, Basin (River) in which the brine source is located, and tributary to which the source emits. RATSEC designates the Robert A. Taft Sanitary Engineering Center and USGS designates the U.S. Geological Survey.

Part 2

Chemical Analyses

All tabulations are in accordance with general conditions previously described.

Part 3

Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses - Arkansas River Basin

Part 4

Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses - Red River Basin

The tabulations of stream uniformity study data presented in these parts (3 and 4) are sections of specific conductance across the various watercourses from left bank to right looking downstream together with stream width and flow at the time of sectioning.

Uniformity of stream quality or representativeness of the specific conductance recorder measurements is reported in the "Remarks" on the Summary Tabulations in Part 1 of Volume II. In general, the recorded conductances were a good representation of the average conductivity of the stream. Quality differences occurred occasionally at some stations, especially during high flows. Uniformity was determined from the results of three to eight section samples. Stations on frequently stratified streams were relocated to provide better records.

These parts also include tabulations of the "Basis for Correlation of Specific Conductance and Chemical Analyses" used to derive the summary data presented in Part 1 of Volume II.

Part 5

Trace Elements Analyses and Radioactivity Record

All tabulations are in accordance with general conditions previously described.

STREAM UNIFORMITY STUDY DATA

STREAM UNIFORMITY STUDY DATA

PHS Station No. 529 — Basin: Red River

Location: Red River at Index, Arkansas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-5-60	440		440		440		440		440	675	3381
10-12			775		775		775			-	5930
10-19	1800		1800		1800		1800		1800	725	3978
10-26		1950			1950		1950	1950		600	28350
11-1		1680	1680		1680		1680	1680		700	23275
11-9		1700			1700		1700	1700		275	5150
11-15	1750		1750		1750		1750		1750	-	5504
11-22	1800		1800		1800		1800		1800	450	6418
11-29	1820		1820		1820		1820		1820	390	3774
12-7	1300		1300		1300		1300		1300	350	13113
12-13	310		310		310		310		310	600	66125
12-20	1380		1380		1380		1380		1380	600	13063
12-29	1330	1400	1400		1400		1400	1400	1420	540	5059
1-4-61	600		600		600		600	610	620	560	25233

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 529
Location: Red River at Index, Arkansas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61	1100		1100		1100		1100		1100	480	12738
1-17	1575		1575		1575		1575		1575	580	8213
1-24				1680			1680			500	7405
1-31	1800		1800		1800		1800		1800	580	7855
2-8	1500		1500		1500		1500		1500	675	4531
2-14					670		670		670	675	9570
2-21	1060	1060	1060	1060	1060	1060	1060	1060	1060	550	16200
2-28	770		770		770		770		770	650	10263
3-7		1210			1210		1210		1210	500	7920
3-14		795			795		795			475	10385
3-21	720				720		720		720	400	7693
4-4	450		450		450		450		450	675	40775
4-11	1250		1250		1250		1250		1250	580	20738
4-18	1460		1460		1460		1460		1460	450	12938

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 529
Location: Red River at Index, Arkansas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-25-61	1400				1400		1400		1400	350	5750
5-2	1390		1390		1390		1390		1390	300	3731
5-9					365		365			600	37600
5-16					750		750			600	5581
5-23	1400		1400		1400		1400		1400	500	6285
5-30	850				850		850		850	400	5061
6-6	725		725		725		725		725	-	3895
6-13				900			900			425	11415
6-20				1700			1700			575	4545
6-27				1150			1150	1150	1150	375	7563
7-4						1700				400	4500
7-11		1800			1800		1800		1800	500	4578
7-18	580				580		580		580	500	25275
7-25	1200	1200	1200	1200	1200	1200	1200	1200	1200	580	9158

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 529
Location: Red River at Index, Arkansas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-2-61	1370		1370		1370		1370		1370	575	5163
8-8	1925		1925		1925		1925		1925	600	4331
8-15	1950		1950		1950		1950		1950	475	4031
8-23	990		990		990		990		990	525	5094
8-29	1350		1350		1350		1350		1350	400	2533
9-7	2000		2000		2000		2000	2000	2000	600	3696
9-13	1300		1300		1290		1290		1290	675	3519
9-20	1400		1400		1400		1400		1400	540	10565
9-27	1800		1800		1800		1800		1800	-	4144
10-3	1900				1900		1900		1900	600	5440
10-11	940		940		940		940		940	-	5360
10-18	1850		1850		1850		1850		1850	500	13438
10-25	1950		1950				1950			500	6943
11-1	1975							1975		540	4470

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 529 — Basin: Red River
Location: Red River at Index, Arkansas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-8-61	1180		1180		1180		1180		1180	515	5578
11-15	1660		1660		1660		1660		1660	600	3770
11-22	1410		1410		1410		1410		1410	500	7675
11-29				630			630			700	31850
12-6	1700		1700		1700		1700		1700	-	11725
12-14								460		-	23900
12-20	690		690		690		690		690	-	19863
12-28	1250		1250		1250		1250		1250	500	6933
1-3-62	1450		1450		1450		1450		1450	-	7308
1-10	1200		1200		1200		1200		1200	-	5785
1-17	1260		1260		1260		1260		1260	-	10738
1-25	910					910	910		910	-	18075
1-31	410		410		410		400		400	580	22463
2-7	1140		1140		1140		1140		1140	550	7145

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 529
Location: Red River at Index, Arkansas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-14-62	780		780		780		780		760	-	3228
2-20	1080			1080	1080			1080		550	7608
2-28	350		350		350		340		350	570	24575
3-7	710		710		710		710		710	550	6303
3-14	700		700		700		700		700	540	6270
3-21	1325		1325		1325		1325		1325	625	4151
3-28	540		540		540		540		540	570	16175
4-4	300		300		300		300		300	600	23488
4-11	775		775		775		775		775	550	11325
4-18	1150		1150			1150		1150	1150	525	6633
4-25	990		990		1000		1000		1000	570	12785
5-2	310		310		310		310		310	580	25688
5-9	1075		1075		1075		1075		1075	-	6438
5-16	1425		1425		1425		1425		1425	530	3536

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 529
Location: Red River at Index, Arkansas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-24-62	1040		1040		1040		1040		1040	510	2110
5-30		1325	1325		1325		1325	1325	1325	450	1823
6-6	270		270		270		270		270	575	19100
6-13	1120		1125		1125		1125		1125	700	39400
6-21	1940		1940		1940		1940		1940	605	32963
6-26	1750		1800		1800		1800		1800	580	26475
7-5	870		870		870		900		870	580	9318
7-10	1750		1750		1750		1750		1750	550	7508
7-18	1680		1650		1700		1700		1700	-	5725
7-24	1500		1510	1500		1500		1500	1500	500	5800
7-31	1710	1700		1700		1700		1700	1700	560	6120
8-8	1250		1250			1250	1250		1250	-	5995
8-14	1800		1800			1800		1800	1800	500	5958
8-23	1650		1650		1650		1650		1650	560	4416

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 529
Location: Red River at Index, Arkansas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-28-62	1750		1750		1750		1750		1750	550	5176
9-6	1550		1550		1550		1550		1550	570	6333
9-11	460		460		460		460		460	560	31350
9-20							1490			550	5588
9-28							1500			540	3479

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 527 — Basin: Red River
Location: Red River at Arthur City, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-5-60	875		875		875		875		875	350	3962
10-12			1125		1125	1125	1125			270	1049
10-18	1300		1300		1300		1300		1300	325	947
10-26			2000		2000		2000			650	31325
11-1	1900		1900		1900		1900		1900	450	19721
11-9		1900			1900			1900		225	3990
11-15	1900		1900		1900		1900		1900	350	3563
11-22	1650		1650		1650		1650		1620	275	2135
11-29	1700		1700		1700		1700		1700	330	1439
12-7					1075					275	8895
12-13	770		770		770		770		770	670	24913
12-20	1760		1760		1760		1760		1760	600	10671
12-28	1800		1800		1800		1800		1800	285	4810
1-4-61	860	890	900	910	925	925	925	925	990	600	9563

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 527
Location: Red River at Arthur City, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61	1050	1050	1050	1050	1050	1050	1050	1050	1050	600	8750
1-17	1780	1780	1780	1780	1780	1780	1780	1780	1780	480	6171
1-24	1750		1750		1750		1750		1750	300	4853
1-31	1800	1800	1800	1800	1800	1800	1800	1800	1800	490	5193
2-7		1150			1150			1150		540	3237
2-15			1160		1160		1160			320	3329
2-21	370	380	395	410	450	495	635	635	650	650	12058
2-28	1220			1220			1220			600	2779
3-7	1380		1380		1330		1380		1380	450	2270
3-14			1240		1240		1240		1240	250	1510
3-21	770		770		770		770		770	300	2361
3-28	845		845		845		845		845	300	10858
4-4							1100			600	20625
4-11	1850	1850	1850	1850	1850	1820	1820	1820	1820	600	11550

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 527
Location: Red River at Arthur City, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-18-61	1560		1560		1560		1560		1560	490	4141
4-25	1630				1630				1630	300	2667
5-2	1090				1090				1090	270	2074
5-9	440		480		500		560		600	550	8242
5-16		1550			1550		1550			330	2046
5-23	1700		1700		1700		1700		1700	500	2897
5-30	520		500		475		560		600	500	2789
6-6	1150			1150			1150		1150	350	4013
6-13			1250		1300		1300		1300	475	2843
6-20		1850			1850		1850		1850	475	2139
6-27	1550		1525		1500		1500		1550	250	1753
7-4	1680		1680		1680	1680	1680		1680	230	1543
7-11	1580		1580		1620		1620		1620	480	2695
7-18	650		690	720	910	950	950		1000	500	5413

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 527 — Basin: Red River

Location: Red River at Arthur City, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-25-61	620	620	620	640	660	750	880	900	950	630	9558
8-1	1675		1675		1675		1675		1675	500	1998
8-8	1800		1800		1800		1800		1750	400	2448
8-15	1480		1480		1480		1480		1480	400	2970
8-22	1500		1500		1500		1500		1500	400	1662
8-29	1890		1890			1890			1890	300	1843
9-6	1700		1700		1700		1700		1700	230	2365
9-13	1525		1550		1600		1630		1660	525	6406
9-19	1500		1500		1550		1550		1575	580	3636
9-26	1860		1860		1860		1860		1860	-	1889
10-3	900		900	900	900		900		900	500	3112
10-10	1800		1800		1750		1725		1700	-	3264
10-17	1850		1900		1950		2050		2050	630	10550
10-24	1800		1750		1750		1750		1800	-	2653

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No 527
Location: Red River at Arthur City, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-31-61	1900		1900		1900		1900		1900	490	1928
11-7	1500		1500		1500		1500		1500	-	1664
11-14	1800		1800		1800	1800			1900	490	3511
11-21	1500		1520		1520		1520		1530	-	1839
11-28	600	650		700	800	925	1050		1200	660	20500
12-5	1650		1650		1650		1725		1810	-	8713
12-14								1010		-	12633
12-19	870		900		940		1060		1080	-	10531
12-27	1380		1380	1380		1380	1380		1365	480	2817
1-2-62	1500		1500		1500		1500		1500	-	2833
1-10	1750		1750		1750		1750		1750	450	2584
1-16	1200		1150			1000	910		1900	-	3166
1-24	750		825	900		950	960		950	620	7442
1-30	1150		1225		1250		1275		1225	-	7038

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 527 — Basin: Red River
Location: Red River at Arthur City, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-6-62	1350		1350				1350		1350	490	2746
2-13	1400		1400		1400		1400		1400	-	1537
2-20	1150		1150				1150		1500	410	1865
2-27	620		620		600		580		550	-	4243
3-6	1025		1025	1025		1025	1025		1000	480	1808
3-13	1200		1200		1200		1200		1200	-	1419
3-20		1325	1325			1325		1325	1325	470	1266
3-28	500		540		590		600		620	-	5055
4-3	230		250		310		340		395	660	11044
4-10	730		750		750		750		750	-	3593
4-17	1450		1450		1450		1450		1450	500	3310
4-24	460		590		680		710		775	-	8483
5-1	300		350		475		530		580	675	11727
5-8	1100		1100		1100		1100		1100	-	2041

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 527
Location: Red River at Arthur City, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-15-62		1400		1400			1400		1400	500	1518
5-22	1450		1450		1450		1450		1450	-	1247
5-29	1350		1350				1350		1350	500	1800
6-5	220		240		260		270		280	-	10918
6-12		1750			1750	1750		1750	1750	720	47842
6-19	1850		1850		1850		1850		1850	-	31433
6-26	1650		1675		1675		1675		1650	685	17727
7-3	1525		1525	1525			1525		1525	660	5390
7-10	1625		1625		1625		1625		1625	-	2627
7-17	1550		1550		1550		1550		1600	-	2739
7-23	1600		1600		1650		1600		1600	325	3589
7-31	1575		1575				1575		1575	450	3557
8-7	1450		1450		1450		1450		1450	-	2686
8-13	1700		1700		1700		1700		1700	500	4269

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 527
Location: Red River at Arthur City, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-19-62	1700		1700		1700		1700		1700	-	5544
8-27	1600				1600		1600		1600	175	3543
9-5	1050		1150		1150		1150		1150	-	3180
9-11	360		360		360		360		360	670	11845
9-18	1400		1400		1400		1400		1400	-	3539
9-25					1500					-	2165

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 526 — Basin: Red River

Location: Clear Boggy Creek near Caney, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60			394		395		395			55	31
10-11			470		470		470			50	67
10-18					325					50	107
10-25	480	480	480		480	480	480	480	480	60	78
11-1	380		380		380		380		380	65	248
11-8		630			630			630		40	67
11-15		740			740			740		40	51
11-22	825				825				825	45	44
11-28	880		880		880		880		880	60	42
12-6	810				810				810	60	107
12-13	220				220				220	90	1520
12-20	620				620				620	60	131
12-28	800				800				800	60	106
1-4-61	450				450				450	65	315

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 526 — Basin: Red River

Location: Clear Boggy Creek near Caney, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61	650				650				650	60	125
1-12					700					60	121
1-17	750				750				750	60	108
1-23			930		930		930			65	92
1-30	840		840		840		840		840	60	103
2-7		650			650			650		60	130
2-14	610		610		610		610		610	65	159
2-20	520		520		520		520		520	70	410
2-27	660		660		660				660	65	160
3-6	665				665				665	65	170
3-13	660				660				660	65	95
3-20	900				900				900	60	157
3-27	375		375		375		375			100	1550
4-3			600		600		600			75	674

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 526 — Basin: Red River

Location: Clear Boggy Creek near Caney, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-10-61	670				670				670	70	390
4-17	600				600				600	65	176
4-24	700				700				700	60	104
5-1	745				745				745	45	86
5-8	550				550				550	60	256
5-15					610					40	60
5-22	340				340				340	60	305
5-29	320				320				320	75	115
6-7	700				700				700	40	52

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 522 — Basin: Red River
Location: Red River near Colbert, Oklahoma (Denison Dam) — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60					1900					-	3323
10-11					2000					-	2453
10-18					2050					-	6094
10-25					2000					-	30483
11-1					2000					-	9353
11-8					2000					-	2691
11-15					2000					-	5064
11-22					2000					-	3874
11-29					2000					-	1871
12-6					2075					-	3294
12-13					2000					-	4990
12-20					2000					-	4175
12-28					2020					-	4789
1-4-61					2000					-	4843

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 522
Location: Red River near Colbert, Oklahoma (Denison Dam)

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61					2300					-	4711
1-13					2210					-	4743
1-20					2200					-	5080
1-25					1970					-	6648
2-1					1950					-	2936
2-9					1970					-	1541
2-16	2050	2050	2050		2050		2050		2050	540	2416
2-22	2000	2000	2000	2000	2000	2000	2000	2000	2000	650	3559
3-1	2075	2075	2075	2075	2075	2075	2075	2075	2075	675	4013
3-6	2190		2190		2190		2190		2190	675	3209
3-15	2000	2000	2000	2000	2000	2000	2000	2000	2000	300	2139
3-22	2050		2050		2050		2050		2050	400	1429
4-5					2075					-	10158
4-10	2020		2020		2020		2020		2020	635	10074

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 522
Location: Red River near Colbert, Oklahoma (Denison Dam)

Basin: Red River
Tributary to:

Specific Conductance as Micromhcs/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-17-61	2200				2200				2200	588	4200
4-24					2200				2200	-	2028
5-1	2190		2190		2190		2190		2190	500	1433
5-10	2210				2210				2210	385	2586
5-17		2220			2220			2220		575	3418
5-24					2180					100	1708
5-31					2180					-	2618
6-5					2100					-	2592
6-12					2200					-	3756
6-21					2200					-	3570
6-26					2160					-	3056
7-5					2200		2200			400	4154
7-11					2190					400	4193
7-18					2180					-	5413

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 522 — Basin: Red River

Location: Red River near Colbert, Oklahoma (Denison Dam) — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-26-61	2175		2175		2175		2175		2175	850	3704
8-1	2100		2100		2100		2100		2100	600	3828
8-9	2150		2150		2150		2150		2150	500	3139
8-22	2150		2150		2150		2150		2150	500	2281
8-28	2190		2190		2190		2190		2190	525	2678
9-6	2200		2200		2200		2200		2200	675	2593
9-12					2210					-	3971
9-19	2200		2200		2200		2200		2200	675	2415
9-27					2200					-	3665
10-3	2200		2200		2200		2200		2200	450	2759
10-11					2200					-	8643
10-17	2200		2200		2200		2200		2200	430	9093
10-24	2200		2200		2200		2200		2200	575	3818
10-31	2200		2200		2200		2200		2200	650	2564

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 522
Location: Red River near Colbert, Oklahoma (Denison Dam)

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-8-61	2200		2200		2200		2200		2200	-	2481
11-19	2250		2250		2250		2250		2250	650	4185
11-21	2200		2200		2200		2200		2200	723	3738
11-28	2200		2200		2200		2200		2200	650	8764
12-5	2175		2175		2175		2175		2175	723	4989
12-13					2125					-	4749
12-20					2100					-	4515
12-27	2050		2050		2050		2050		2050	675	4633
1-3-62					2100					-	3016
1-9	2000				2050				2050	-	3771
1-17	2000		2000		2000		2000		2000	-	4231
1-26	1800		2000		2000		2000		2000	-	3275
1-31	2000		2000		2000		2000		2000	725	3281
2-6		2000			2000			2000		500	643

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 522 — Basin: Red River
Location: Red River near Colbert, Oklahoma (Denison Dam) — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-14-62	2000		2000		2000		2000		1950	-	3205
2-21	2000		2000		2000		2000		2000	-	2819
2-27					1975					-	1798
3-6	2000		2000		2000		2000		2000	375	1540
3-14					1820					-	2745
3-20	1950		1950		1950		1950		1950	325	1615
3-27	1900		1900		1900		1900		1900	725	1415
4-3	2000		2000		2000		2000		2000	360	3421
4-10	1925		1925		1925		1925		1925	590	2530
4-17	1925		1925		1925		1925		1925	320	2534
4-24	1800		1800		1900		1950		1975	180	1264
5-1	2000		2000		2000		2000		2000	350	2578
5-8					2000					-	2738
5-15		1950		1950	1950	1950			1950	300	1334

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 522
Location: Red River near Colbert, Oklahoma (Denison Dam)

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-22-62	1925		1925		1975		1975		1975	370	505
5-29	1200		1400		1500		1600		1700	250	131
6-5	1940		1950		1950		1950		1950	720	9243
6-12	1925		1925		1925		1925		1925	600	39975
6-19	1900		1975		1975		1975		1975	816	20350
6-26	1975		1975		1975		1975		1975	560	9668
7-3					1975					-	5681
7-10	1800		2000		2000		2000		2000	260	4475
7-17					1800					-	4643
7-23	1850		1850		1850		1850		1850	250	4530
7-30	1870		1870		1870		1870		1870	500	5063
8-7	1800		1800		1800		1800		1800	-	5428
8-13	1750		1750		1750		1750		1750	350	4444
8-21	1800		1800		1810		1810		1810	-	4899

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 522
Location: Red River near Colbert, Oklahoma (Denison Dam)

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
8-27-62	1850		1850		1850		1850		1850	500	4108
9-4	1800		1800		1800		1800		1800	700	3915
9-11	1900		1900		1900		1900		1900	250	4324
9-18	1750		1750		1750		1750		1750	730	4378
9-26					1900						4384

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 520
Location: Washita River near Durwood, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-11-60			1175		1175		1175			125	212
10-30	525		525		525		525		525	250	2860
11-8			1000		1000		1000			200	704
11-14		1210			1210			1210		100	500
11-21	1350				1350				1350	80	475
11-28	1390		1390		1390		1390		1390	155	470
12-6	1255		1255		1255		1255		1255	175	1085
12-12	480		480		480		480		480	250	3700
12-19	1160		1160		1160		1160		1160	200	925
12-27	1400		1380		1380		1380		1380	175	605
1-5-61	1100		1100		1100		1100		1100	170	860
1-9	1340		1340		1340		1340		1340	130	645
1-16	1400		1400		1400		1400		1400	170	565
1-23	1450		1450		1450		1450		1450	110	505

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 520
Location: Washita River near Durwood, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-30-61	1500		1500		1500		1500		1500	170	500
2-7		1380			1380			1380		110	595
2-13	1480		1480	-	1480		1480		1480	180	630
2-20		1300			1300				1300	150	605
2-27	1340		1340		1340		1340		1340	145	570
3-6	1330		1330		1330		1330		1330	160	542
3-13	1375				1375				1375	120	398
3-20	1120		1120			1120			1120	160	925
3-27	880		880		880				880	180	2260
4-5	850	850	850	850	850	850	850	850	850	165	1430
4-12		1050			1050				1050	175	1060
4-19	1200				1200				1200	180	600
4-26	1260				1260				1260	180	500
5-3	1330				1330				1330	85	398

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 520
Location: Washita River near Durwood, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-10-61	900					900			900	110	605
5-17	1500				1500				1500	130	350
5-24	700				700				700	100	1345
5-31		900			900			900		90	394
6-14		600				600				160	1510
6-21	875				875				875	180	1100
6-28	950				950				950	130	530
7-4	600	620			620		620		620	200	1585
7-11	900				900				900	105	346
7-18	500				500				500	70	580
7-26	540		540		540		540		540	230	1495
7-31		650			650			650		170	455
8-9	910				910				910	100	255
8-16	1090				1090				1090	165	330

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 520
Location: Washita River near Durwood, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-22-61	455				455				455	160	720
8-28		600			600				600	85	434
9-6	810		810		810		810		810	180	1492
9-12	800									115	357
9-19	390				390				390	145	1810
9-26	740				740				740	90	710
10-2	460				450				440	150	2100
10-10	320		320		320		320		320	210	2450
10-17	650				650				650	170	1288
10-25	950				950				950	150	625
10-31	1175				1175				1150	140	545
11-7	730		730		730		730		730	215	4100
11-14	1050				1050				1050	90	1180
11-21	1350			1350			1350		1350	110	1430

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 520 — Basin: Red River
Location: Washita River near Durwood, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-28-61	1100				1100				1100	180	1140
12-5	1375				1375				1375	110	785
12-13	1300										1019
12-19	1050				1050				1050	170	1520
12-27	1420			1420		1420		1420		150	870
1-3-62	1440				1440			1440		90	740
1-9	1480						1480			90	585
1-16	1480				1480				1480	200	890
1-24	1140									130	480
1-30	1530				1530				1530	145	770
2-6	1550				1550				1550	115	525
2-13	1550		1550		1550		1550		1550	110	485
2-20	1510				1510				1510	110	537
2-26		1450					1450			115	485

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 520
Location: Washita River near Durwood, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-5-62	1500				1500			1500		120	532
3-13	1580				1580				1580	85	426
3-19	1600				1600			1600		90	414
3-26	1325				1325			1325		110	635
4-2	1400				1400			1400		105	510
4-9	1350				1350				1350	120	505
4-16	1200				1200			1200		100	525
4-23	1350				1350			1350		120	694
4-30	1000				1000			1000		160	1620
5-7	1050				1050				1050	125	630
5-14	1350				1350			1350		115	358
5-21	1450				1450				1450	115	265
5-28	900				900			900		125	1110
6-5	525		525		525		525		525	205	3540

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 520
Location: Washita River near Durwood, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-11-62	475		475		475		475		475	220	9940
6-19	500		500		500		500		500	290	10890
6-25	800				800				800	185	1870
7-3	1125				1125			1125		175	1060
7-9	1125				1125				1125	125	565
7-17	900				900			900		120	650
7-24	1150				1175			1175		115	406
7-30	1400		1400		1400		1400		1400	175	1300
8-6	760				760			760		145	658
8-14	975				975			975		115	276
8-21			1300				1300			60	183
8-28	1275				1275			1275		95	143
9-4	1425				1425			1425		100	282
9-10	1300				1300			1300		135	394

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 520
Location: Washita River near Durwood, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-17-62	1500				1500			1500		140	872
9-24	460									160	2180

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 508
Location: Red River near Gainesville, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60	2800		2800		2800		2800		2800	375	713
10-13			3750		3750		3750			250	412
10-20	1500		1500		1500		1500		1500	800	40500
10-27			1500		1500		1500			575	15114
11-2	2580		2580		2580		2580		2580	450	3870
11-10			4500		4500		4500			350	1800
11-16		5000		5000				5000		450	1550
11-23	4900		4900		4900		4900		4900	450	1179
11-30	5900		5900		5900		5900		5900	400	948
12-8	5200		5200		5200		5200		5200	400	1050
12-14	1360		1360		1360		1360		1360	500	9313
12-21	6900		6900		6900		6900		6900	500	2060
12-29	5300		5400		5550		5750		5650	600	1280
1-3-61	5400		5400		5400		5400		5600	400	1800

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 508
Location: Red River near Gainesville, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-11-61	4600		4600		4600		4600		4600	520	1800
1-18	5800		5500		6050		5450		5750	375	1060
1-25	7050		7050		7050		7050		7050	350	984
2-1			5850		5950	6000	6150		6100	300	885
2-9		5900		6000	6100		6150		6150	350	1305
2-16							5700			325	1230
2-22	6300		6300		6300		6300		6300	450	1125
3-1	5400		5400		5400		5400		5400	550	1420
3-8	6050		6050		6050		6050		6050	475	950
3-15			6000		6000		6000			300	596
3-22	2580		2580		2580		2580		2580	550	9200
3-30					3200				625	500	5830
4-3	1700		1700		1700		1700		1700	575	10200
4-10	4200		4200		4200		4200		4200	525	2820

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 508
Location: Red River near Gainesville, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-17-61	4300		4300		4300		4300		4300	450	2200
4-24	4500				4500				4500	250	948
5-1	4800		4800		4800				4800	185	617
5-8		2000		2000			2000			400	4300
5-15			2700		2700			2700		340	1200
5-22	1900		1900		1900		1900		1880	400	3540
5-29	5050				5050		5050			435	1150
6-5	2750		2750		2750		2750		2750	300	1130
6-12		2100			2100		2150		2150	575	12370
6-19		1950			1950		1950		1950	500	6200
6-26	3050		3050			3050			3050	400	1650
7-3	6200		6200			6200			6200	500	2010
7-12	4500				4500				4500	200	547
7-17	8500		8500			8500			8500	500	2230

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 508 — Basin: Red River

Location: Red River near Gainesville, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-24-61	5450	5450	5450	5500	5500	5450	5450	5400	5300	575	4140
7-31	3200		3300		3300		3200		3200	550	1420
8-7		4500		4500		4500			4500	300	526
8-14	4800		4800		4800		4800		4800	300	474
8-21	4150		4150		4150		4150		4150	300	488
8-28	4800			4800			4800		4800	250	788
9-5	4400		4400		4400		4400		4400	300	456
8-11	2810		2800			2810	2810		2810	600	859
9-18	700		700		700		700		700	625	4140
9-25	1580	1580			1580				1580	120	490
10-2	3900		3900		3900		3900		3850	250	1250
10-10	1850		1850		1900		1900		1900	550	1560
10-16	2650		2650		2650		2650		2650	500	1590
10-23	2900		2900		2900		2900		2900	225	378

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 508
Location: Red River near Gainesville, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-30-61		3900		3900		3900		3700		170	280
11-7	2400		2400		2400		2400		2400	540	5658
11-13	2820		2820		2820		2820		2820	350	1035
11-20	2600		2600		2600		2600		2600	500	1645
11-27	1500		1500		1500		1500		1500	530	3240
12-4	2700		4400		4400			4400	4400	350	803
12-13							2450				1750
12-18	2750		2800		2850		2850		2700	450	1710
12-26		5000		5000			5000		5000	450	812
1-2-62	5000		5000		5000		5000		5000	450	554
1-8	4900		4900		4900			4900		210	516
1-15	4300				4400		4500		4600	260	638
1-28	4900		4900		4900					180	380
1-29	4400		4500		4500		4500		4500	270	528

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 508
Location: Red River near Gainesville, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-5-62			4200		4200		4200			375	788
2-12	4500						4500		4500	360	645
2-19	4000			4000		4000			4000	360	561
2-26			3600		3600		3600		3600	360	589
3-5	3800		3800			3750	3750		3700	350	534
3-13	4850		4850		4850		4850		4850	225	304
3-19	5500		5500	5500		5500		5500		180	288
3-26	5000		5000		5000		5000		5000	280	628
4-2	4200		4200	4200			4200		4200	140	440
4-9		4200		4200		4200	4200		4200	210	603
4-16	4900		4900		4900		4900		4800	150	296
4-23	6600		6700	6600				6400		150	284
4-30	2500		2500		2500		2500		2500	475	11350
5-7	4400		4400		4500		4500		4500	425	3270

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 508
Location: Red River near Gainesville, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-14-62	3650		3650			3650			3650	150	545
5-21		5050	5050		5050	5050		5050		140	318
5-28		3200	3200		3200		3200			175	588
6-4	1300		1300		1300		1300		1300	550	14000
6-11	1350		1350	1350		1350	1350		1350	750	44333
6-18	1150		1150		1150		1150		1150	440	7680
6-25	3700		3700		3700		3700		3700	425	5088
7-2	1450		1450		1450		1450		1500	500	9400
7-9		3450	3450		3450	3450			3450	280	1125
7-16	2800		2800		2800		2800		2800	240	849
7-23	3300		3300		3300		3300		3300	440	2930
7-30	4100		4250		4250		4250		4250	350	5800
8-6	5600		5600		5600		5600		5600	440	5420
8-13	3000		3000		3000		3000		3000	240	1350

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 508
Location: Red River near Gainesville, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-20-62		3100			3100			3100		500	690
8-27		4100	4100		4100		4100		4100	230	405
9-4	1875		1875		1875		1875		1875	475	2165
9-10	1000		1000		1000		1000		1000	440	6850
9-17		1800		1800		1800				250	1225
9-24							2700			350	4820

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 507
Location: Red River near Terral, Oklahoma

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-6-60	4800		4800		4800		4800		4800	215	692
10-13			5100							218	212
10-20	1750		1750		1750		1750		1750	1100	65710
10-27	2100	2100	2100	2000	1900	1750	1725	1675	1625	700	9298
11-2	4000	4000		4000	4000		4000		4000	400	2493
11-10	4800			5000	5000			5000		200	1676
11-16	5000		5000		5000		5000		5000	400	1558
11-23	6600		6600		6600		6600		6600	400	980
11-30	6250		6250		6000		5900		5600	365	811
12-8	4500		4500		4500		4500		4500	375	1991
12-14	2200		2200		2100		1800		1800	500	4366
12-21	6200		6200		6200		6200		6200	400	1818
12-29	6500		6500		6450		6450		6350	450	1095
1-3-61	3900		3900		3900		3800		3800	360	2458

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 507
Location: Red River near Terral, Oklahoma

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-11-61	6900	6700	6500	6500	6200	5900	5600	5600	5600	360	1374
1-13			6300							-	1203
1-18	7150		7150		7150		7150		7150	300	900
1-25	6300		6300		6300		6300		6300	350	813
2-1		6600	6600		6600			6600		350	637
2-9	6300		6200		6000		5900	5800		400	1774
2-16			7300							-	1383
2-22	6100		6100		6100		6100		6100	625	1060
3-1	7300		7300		7300		7300		7300	475	1433
3-8	6050		6050		6050		6050		6050	400	725
3-15			6150			6150				300	594
3-22		2950			2950		2950		2950	390	7734
3-30		4500								600	2757
4-3			2400							650	5180

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 507
Location: Red River near Terral, Oklahoma

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-6-61			4050							-	2675
4-10		4050		4000		3950		3900		500	2408
4-17	4400		4400		4400		4400		4400	400	1415
4-24	4900				4900				4900	300	758
5-1	3350		3350		3350		3350		3350	350	1010
5-8		4150			4000			3550		385	2080
5-15			3800		3800		3800			350	852
5-22	2500		2500		2500		2400		2300	300	1022
5-29	4200		4200		4200			4200		200	877
6-5				4000						275	879
6-8	1375		1375		1375		1375		1375	385	13338
6-12		2000			2000		2000			650	5739
6-19		1950					1950			400	3391
6-26	2500	2500		2100	1400		600		575	525	2477

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 507 — Basin: Red River
Location: Red River near Terral, Oklahoma — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-3-61	2950		2950	3000	3200		3200		3200	300	1340
7-10	5300		5300		5300			5300		200	539
7-17	6000		6000		6000		6000		6000	450	4080
7-24	1950	2050	2100	2125	2150	2200	2200	2200	2200	-	4760
7-31	3900		3900		3900		3900		3850	400	771
8-7		4900		4900			4900		4850	350	377
8-14	4400	4400			4400		4400		4400	300	431
8-21	2000	2000		2000	2100		2200		2200	360	1241
8-28	3900		3900				3900		3900	250	477
9-5	2950	2950			2950		2900		2900	400	742
9-11	3250	3300			3200		3200		3200	-	641
9-18	1875		1875		1950		1875		1850	300	1838
9-25	2800		2800		2800		2800		2800	250	443
10-2	2400		2400		2400		2400		2400	200	504

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 507
Location: Red River near Terral, Oklahoma

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-10-61	3700		3700		3700		3700		3700	400	450
10-16	1700		1700		1700		1700		1700	225	854
10-26	4200		4200		4200		4200		4200	300	244
10-30	4700		4700		4700		4700		4700	275	258
11-6	2300		2250		2100		2100		2100	650	4555
11-13	3400		3400		3400		3400		3400	180	992
11-20	3800			3800		3800			3800	300	1364
11-27	3600		3500	3400		3200	2900		2800	300	1238
12-4	5100		5000	5000		5000	4900		4850	270	525
12-13			4200								743
12-18	4200		4200	4200		3900		3500		300	1070
12-26	5500		5500		5500		5500		5500	280	625
1-2-62	5300				5300		5300		5300	280	454
1-8	5300				5300		5300		5300	270	434

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 507 — Basin: Red River

Location: Red River near Terral, Oklahoma — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-15-62	4700		4700		4700		4700		4700	280	631
1-23	6100				6100			6100		225	244
1-29	6000		6100		6100		6000		6000	270	610
2-5			5000			4950		4900		270	667
2-12	4150				4150					260	556
2-19	3800		3800		3800			3800		260	583
2-21		3800		3800		3800		3800		260	516
2-26		3800		3800		3800		3800		260	518
3-5	3990		3990		3990		3990		3990	270	500
3-12	5500		5500			5500		5500		325	319
3-19	5800		5800			5800		5800		325	292
3-26	4800		4800		4800		4800		4800	260	381
4-2	5500		5500		5500		5500		5500	240	299
4-9	4300		4300		4300		4300		4300	270	548

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 507
Location: Red River near Terral, Oklahoma

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-16	7750		7750		7750		7750		7750	240	328
4-23	5700		5700		5700		5700		5700	225	251
4-30	3600		3600		3600		3500		3300	665	8848
5-7	1825		1850	1850		1850		1825		375	1855
5-14		4850		4850			4850			325	387
5-21	5600		5600		5600		5600		5600	300	300
5-28	4200		4200		4200					400	2856
6-4	1000		1000		1000		1000		1000	700	12406
6-11	900		900		900		900		900	1100	45200
6-18	2825		2800		2800		2800		2800	700	11800
6-25	3700			3700			3700		3650	525	3933
7-2	2000		1800	1700	1150		850		775	530	4105
7-9	4900			4900		4900			4800	-	664
7-16	5000		5000			5000			5000	215	494

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 507 Basin: Red River
Location: Red River near Terral, Oklahoma Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
7-23-62	2400		2400		2400		2350		2300	365	1295
7-30	3250			3250		3250		3250		350	3580
8-6	4000		4000		4000		4000		4000	470	2675
8-13	3000	3000		3000	3000		3000	3000	2900	370	921
8-20		4000			4000		4000			500	476
8-27	4700		4700		4700		4700		4700	310	329
9-4					1900					280	1116
9-10	1650		1525		850		440		420	520	6290
9-17		3400			3400			3400		200	712
9-24			2375							400	4114

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 704
Location: Little Wichita River near Henrietta, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-60-60	630				630				630	45	.3
10-13	670									-	0
10-20	375		375		375				375	-	894
10-27	470				470				450	60	491
11-2	550		550		550		550		550	35	16
11-10	550									30	2
11-16	525				525				525	35	.7
11-23	520				520				520	30	0
11-30	545				545				545	40	0
12-8	230				230				230	50	146
12-14	370				370				370	40	130
12-21	410				410				410	40	3
12-30	415				415				410	45	.7
1-3-61	310				310				310	40	21

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 704
Location: Little Wichita River near Henrietta, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-11-61	850				850				850	40	61
1-13	700									-	21
1-18	645				645				645	40	4
1-25		555				555				35	.4
2-1		550			550			550		40	0
2-9	930						930			40	133
2-16		700								40	8
2-22	710				710				710	40	.7
3-1	750				750				750	22	0
3-8	745		745				745			35	0
3-15		760			760			760		35	0
3-22					660					25	47
3-30	560				560				560	30	56
4-3		1900					1900			45	63

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 704
Location: Little Wichita River near Henrietta, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-6-61		680				680				40	10
4-10	770				770				770	60	.2
4-17	810				810				810	40	0
4-21	860									-	0
4-24	825				825				825	35	0
5-1	430				430				430	40	53
5-5	445									-	5
5-8	340									40	26
5-15	1150									22	.1
5-22	1130				1130				1130	40	0
5-25	1200								1200	30	0
5-29	3050				3050				3000	35	.4
6-1	5200									30	0
6-5	4700				4700				4700	40	0

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 704
Location: Little Wichita River near Henrietta, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-8-61	5000									30	4
6-12		7150			7150				7150	40	15
6-19	730				730				730	40	28
6-26			120		120		115		110	110	1303
7-3	630				630				630	40	2
7-10	720				720				720	40	2
7-17	640				640				640	45	30
7-24	1550				1550				1550	40	.5
7-31	1050				1050				1050	40	.1
8-7	1125				1125				1125	40	0
8-14		1200			1200				1200	40	0
8-21	235				235				235	40	14
8-28	410				410				410	35	0
9-5	460				460				460	50	104

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 704 — Basin: Red River

Location: Little Wichita River near Henrietta, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-11-61	500				500				500	40	9
9-18	350				350				350	40	8
9-25	390				390				390	45	2
10-2	370				370				370	45	30
10-9	2100		2200		2500		2350		2200	40	96
10-16	430				430				430	35	1
10-26	475				475				475	40	0
10-30	480				480				475	40	0
11-6	4600				4500				4500	40	36
11-13	2850				2850				2850	40	1
11-20	1500				1500				1500	40	25
11-27	480				480				480	40	36
12-4	450				450				450	40	.7
12-12	370									40	70

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 704
Location: Little Wichita River near Henrietta, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-18-61	510								510	40	30
12-26	1050				1050			1050		40	.3
1-2-62	1600				1600			1600		40	0
1-8	1800				1800				1800	40	0
1-15	1840									40	0
1-23	1470		1470							40	0
1-29	1530				1530				1530	40	0
2-5	1600						1600			40	0
2-12	1600								1600	40	0
2-19	1600							1600		40	0
2-26	1590						1590			40	0
3-5	1675				1675				1675	40	0
3-12	1700				1700				1700	40	0
3-19	1750				1750				1750	40	0

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 704
Location: Little Wichita River near Henrietta, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-26-62	1625				1625				1625	35	0
4-2	2100				2100				2100	40	0
4-9	925				925				925	40	18
4-16	2400				2400				2400	40	.7
4-23	2150				2150				2150	40	.4
4-30	1140				1140				1140	40	44
5-7	1250				1250				1250	40	.1
5-14	1250				1250				1250	40	0
5-21	1325		1325		1325		1325		1325	40	0
5-28	1700				1700			1700		60	569
6-4	525	525	525		525		525		525	55	351
6-11	340		340		340		340		340	140	1603
6-18	500				500				500	40	28
6-25	875				875				875	40	5

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 704
Location: Little Wichita River near Henrietta, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-2-62	700	700			700		700		700	55	414
7-9	675				675				675	40	1
7-16	725				725				725	40	12
7-23	2400				2400				2400	43	82
7-30	450				450				450	40	58
8-6	550				550				550	40	3
8-13	630				630				630	40	0
8-20	730						720			60	0
8-27	725				725				725	40	0
9-4		800					800			55	272
9-10	250		250		250		250		250	160	2100
9-17	350				350					40	34
9-24	875									40	7

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 700 — Basin: Red River
Location: Beaver Creek near Waurika, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-10-60					410					-	1
10-17	350				350				350	50	16
10-24	430				430				430	40	26
10-31	640				640				640	40	12
11-7		825			825			825		20	9
11-14	1080				1080				1080	30	9
11-21	1190				1190				1190	40	11
11-28	1280				1280				1280	40	12
12-5	1220				1220				1220	50	21
12-12	570				570				570	45	271
12-19	1120				1120				1120	45	31
12-27	1370				1350				1350	40	26
1-5-61	840				840				840	50	42
1-9	1380				1380				1380	45	32

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 700 — Basin: Red River

Location: Beaver Creek near Waurika, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-12-61					1420					-	29
1-16	1460				1460					45	28
1-23	1400				1400				1400	40	24
1-30	1420				1420				1420	45	25
2-6		1300			1300			1300		40	35
2-13	1200				1200				1200	50	39
2-20	1420				1420				1420	40	28
2-27	1360				1360				1360	35	28
3-6	1460				1460				1460	40	25
3-13	1420				1420				1420	40	22
3-20	635				635				635	35	109
3-27		1175			1175			1175		30	124
4-5	1380				1380				1380	40	81
4-12					1100					40	75

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 700
Location: Beaver Creek near Waurika, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
4-19-61	1720				1720				1720	35	45
4-26	1725				1725				1725	35	34
5-3	1675				1675				1675	35	31
5-10	1520				1520				1520	35	26
5-17					1800					25	34
5-24	1400				1400				1400	35	52
5-31	1350				1350				1350	40	33
6-7					380					-	-

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503 — Basin: Red River

Location: Wichita River at Wichita Falls, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60			4600		4600		4600			70	74
10-10			5200		5200		5200			50	41
10-17			1550		1550					75	270
10-24	1300		1300		1300		1300		1300	130	931
10-31	3200				4000				2600	45	323
11-7	3200				3200				3200	100	565
11-14	3250				3250				3250	60	527
11-21	4900		4900		4900		4900		4900	50	123
11-28	5500		5500		5500		5500		5500	75	97
12-5	5500				5400					70	114
12-12	1080		1080		1080		1080		1080	120	1138
12-19	5000				5000				5000	60	98
12-27	4250		4250		4250		4250		4250	75	70
1-5-61	5000		5000		5000		5000		5000	85	70

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503 — Basin: Red River
Location: Wichita River at Wichita Falls, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61	6700		6700		6700		6700		6700	85	63
1-16	6500	6500	6400	6450	6500	6500	6500	6500	6500	105	56
1-23			6800		6800		6800			45	42
1-30	7200		7200		7200		7200		7200	40	49
2-6	7200		7200		7200		7200		7200	75	109
2-13	6850		6850		6850		6850		6850	100	55
2-20		7500			7500			7500		40	39
2-27	6400		6400		6400		6400		6400	75	42
3-6	6950				6950		6950		6950	100	32
3-13	1650		1650		1650		1650		1650	100	153
3-20	1850		1850		1850		1850		1850	275	5076
3-27	2900				2900				2900	100	892
4-5				3050						135	872
4-12			3350				3350			110	772

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503 — Basin: Red River

Location: Wichita River at Wichita Falls, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-17-61	3550				3550				3550	120	258
4-24	4800				4800				4800	100	132
5-1	3250		3250		3250		3250			110	246
5-8		2950			2950			2950		100	710
5-15		3600			3600			3600		110	476
5-22	4200				4200				4200	75	170
5-29		3850			3850			3850		40	193
6-5	3200			3200			3200		3200	110	462
6-14	3700			3700					3700	120	471
6-21	2150		2150			2150			2150	115	246
6-26	1400			1400			1400		1400	130	1301
7-3		5600					5600		5600	70	147
7-12		4000			4000				4000	75	195
7-19	4800			4800	4800				4800	95	122

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503
Location: Wichita River at Wichita Falls, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-26-61	1350		1350			1350			1350	100	505
8-3	4500		4500		4500			4500		120	176
8-9	4200		4200			4200		4200		110	231
8-16	4500		4400		4350		4300		4200	120	256
8-21	4600		4600			4600	4600		4600	115	223
8-28				4950		4950		4950		110	165
9-5	3200		3200		3200			3200		130	654
9-14	1375		1375		1375		1375		1375	140	903
9-18	4050		4050		4050		4050		4050	120	89
9-25	6300		6300					6300		80	67
10-2	6000		6000		6000				6000	110	198
10-9	5600		5600			5600	5600		5600	110	62
10-16	5350		5350					5350		85	66
10-26			5600				5600			80	75

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503
Location: Wichita River at Wichita Falls, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-30-6	5200		5200				5200		5200	115	99
11-6	4800		4800			4800	4800		4800	115	89
11-9			5050							115	60
11-13	5800		5800				5800			100	65
11-20	4000		4000			4000		4000		115	55
11-27	4200		4200			4200			4200	120	63
12-1			6000							115	44
12-4		6200		6200			6200		6200	110	42
12-8			5750							100	49
12-12			6200							100	50
12-15			6100							100	45
12-19	5800		5800				5800		5800	100	62
12-26		6600			6600		6600		6600	100	44
12-28			6500				6500			80	43

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503 — Basin: Red River
Location: Wichita River at Wichita Falls, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-2-62	6900		6900				6900			100	44
1-8	5900						5900		5900	108	49
1-15	5600					5600		5600		100	47
1-23							6250	6250		105	50
1-26				6000						105	58
1-29	5800					5800	5800			105	53
2-5				5700			5700			70	43
2-9				5800						70	39
2-12	5900			5900			5900		5900	110	39
2-19		5600					5600		5600	105	38
2-21				6300						105	64
2-23				5250						105	64
2-26	6250						6250		6250	110	51
3-2		5200				5200				105	70

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503 — Basin: Red River
Location: Wichita River at Wichita Falls, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-5-62		6100				6100				105	54
3-9						5700				110	76
3-13	6000		6000				6000		6000	110	76
3-16							5200			105	60
3-19		5700				5700		5700		105	73
3-21		5000		5200		5200		5200		110	120
3-23	5500		5500				5500		5500	110	85
3-26		5600		5600			5600		5600	105	72
3-28			6050				6050		6050	105	70
3-30						5600				105	74
4-2		5600		5600	5600		5600		5600	115	168
4-4			12900			12900		12900		110	114
4-6			6100			6000		6000		115	159
4-9		5600				5600		5600		105	64

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503
Location: Wichita River at Wichita Falls, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-12-62						5800				110	48
4-16		7100					7100		7100	105	60
4-23		5400				5400		5400		105	78
4-25							4850			115	191
4-27							4100			110	248
4-30	3700			3700			3700		3700	110	405
5-3							4600			110	115
5-7	5400						5400			105	66
5-9							5900			105	63
5-14		5700					5700		5700	105	93
5-18						5300				105	82
5-21	5700					5700		5700		105	70
5-25						5300				110	123
5-28		5000					5000	5000		115	146

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503 — Basin: Red River
Location: Wichita River at Wichita Falls, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-30-62						5400				115	160
6-5	3100		3100		3100		3100		3100	120	205
6-11		1590		1590			1590		1590	120	667
6-15							1350			110	290
6-18	3650			3650			3650		3650	110	86
6-20							1950			110	709
6-25		4500					4500		4500	105	94
7-2	4600		4600				4600		4600	115	115
7-9	5300					5300			5300	105	79
7-16	4900		4900				4900		4900	120	167
7-23	4400		4400	4400			4400		4400	115	132
7-30		3600			3600		3600			120	286
8-6		3600					3600		3600	100	67
8-13	5000	5000		5000			5000		5000	120	105

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 503
Location: Wichita River at Wichita Falls, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-20-62			4900				4900			120	148
8-28	5100		5100				5100		5100	110	151
9-3	5300		5300				5300		5300	120	152
9-10	3400		3400		3400		3400		3400	140	1473
9-18		3800			3800		3800			120	327
9-24							5250			120	70

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 751
Location: Beaver Creek of Wichita River near Electra, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60					11700					-	12
10-10					3800					-	3
10-18					380					250	3943
10-26	1700				1700				1700	231	390
11-2					4500					17	3
11-9					5000					20	1
11-16					10800					21	5
11-23	7500				7500				7500	12	.7
11-30					10500					10	5
12-7					2600					40	549
12-9					925					-	94
12-14					1850					20	17
12-16					3050					-	8
12-21	3250				3250				3250	-	92

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 751
Location: Beaver Creek of Wichita River near Electra, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-2961					6300					8	2
1-5-62					6600					25	5
1-11					11500					15	2
1-18					10500					20	2
1-25	13000				13000				13000	20	1
2-1					13000					10	2
2-8	8000				8000				8000	28	28
2-15	10800				10800				10800	10	2
2-22	8300				8300				8300	30	26
3-1	17500				17500				17500	16	8
3-8	20000				20000				20000	8	.4
3-15	2680				2680				2680	9	3
3-22	2500				2500				2500	40	47
3-29	7800				7800				7800	30	11

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 751
Location: Beaver Creek of Wichita River near Electra, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-5-61	2600				2600				2600	20	18
4-12	6500				6500				6500	30	8
4-19	7600				7600				7600	35	4
4-26	8700				8900				8900	40	2
5-3	10500					10500			10500	45	2
5-10			565		565		565			35	342
5-17					2850					30	6
5-19					16200					30	5
5-24					2100					22	7
5-31	3800				3800				3800	30	3
6-8		18600			18600			18600		125	130
6-14	4900				4900			4900		50	446
6-21					600					30	22
6-28	4300				4300				4300	30	10

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 751
Location: Beaver Creek of Wichita River near Electra, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-5-61	4300				4300				4300	20	.9
7-12	4750				4750				4750	50	7
7-19			8600		8600					15	3
7-26	1000				1000				1000	43	32
8-2					2500					25	3
8-9					6100					35	16
8-16	3725				3725				3725	30	11
8-23				4600						25	10
8-30		3750		3750			3750			40	10
9-7					460					45	280
9-13		695			695				695	40	516
9-20	4450				4450				4450	25	2
9-27					5400					25	1
10-4					1380					25	14

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 751 — Basin: Red River
Location: Beaver Creek of Wichita River near Electra, Texas — Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-11-61				5000						30	5
10-18				3400						40	1
10-27				3300						35	2
11-1		4200					4200			30	3
11-8			2600				2600			30	4
11-14					4000					25	8
11-20		2100					2100			25	7
11-29	4950				4950				4950	25	6
12-4	4000					4000			4000	20	4
12-14						6700				20	3
12-18	3800					3800				25	9
12-27							7250			18	3
1-3-62						7800				25	3
1-8			8600				8600			25	3

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 751
Location: Beaver Creek of Wichita River near Electra, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-17-62							10300			20	2
1-23					9000					25	2
1-29			9800			9800	9800			35	3
2-7					10200					30	1
2-14					10600					15	1
2-19			10800			10800				25	1
2-26			11000			11000				25	1
3-5				11200			11200			30	1
3-12							12600			20	1
3-20							10800			27	3
3-27			11200				11200			30	.9
4-3							1220			40	11
4-10			1680				1680			25	3
4-17							2100			35	2

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 751
Location: Beaver Creek of Wichita River near Electra, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-24-62				40000			40000			35	16
5-2					3700					10	3
5-8					2700		2700			12	1
5-15					3500					20	0
5-22					4450		4450			33	38
5-29					7600					30	31
6-4					3000					25	18
6-12				1090			1090			55	561
6-18					920					6	53
6-25					750					10	6
7-2					6300					10	.9
7-10			5000							20	5
7-18					3800					20	33
7-24				1525						18	2

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 751 — Basin: Red River

Location: Beaver Creek of Wichita River near Electra, Texas — Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-1-62					2000					10	5
8-7					2950					20	9
8-14					1850					22	3
8-22					1900					20	6
8-28					1900					16	3
9-5					3350					20	7
9-12					550					20	29
9-18					1050					50	158
9-25					5800					35	48

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 752
Location: Wichita River below Lake Kemp, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-31-60	3500				3500				3500	120	729
11-9					3500					130	729
11-23	3650				3650				3635	90	4
11-28					3600					25	4
12-5					3500					55	4
1-23-61	3550				3550				3550	90	4
2-1					3600					90	3
2-8	3600				3600				3600	90	3
2-13	3600				3600				3600	100	3
2-20	4700				4700				4700	85	3
2-27	4900				4900				4900	85	3
3-6	3800				3800				3800	85	4
3-13	3650		3650		3650		3650		3650	120	563
3-20	3600		3600		3600		3600		3600	140	879

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 752
Location: Wichita River below Lake Kemp, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-27-61	3600				3600				3600	120	879
4-3	3700				3700				3700	120	879
4-10	3700				3700				3700	135	879
4-17			3950				3950			100	10
4-24	3800				3800				3800	75	8
5-3	3900				3900				3900	115	297
5-10	3700				3700				3700	100	604
5-17			3850		3850		3850			90	3
5-24			3800		3800		3800			100	654
5-31	3800				3800				3800	110	729
6-5	3800				3800				3600	125	729
6-21			4150		4150			4150		40	4
6-26	4000				4000				4000	45	5
7-3	4000		4000		4000				4000	75	305

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 752
Location: Wichita River below Lake Kemp, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-12-61	4000				4000				4000	110	267
7-19	4100				4100				4100	120	150
7-24	4040				4040				4040	70	3
7-31	4000				4000				4000	70	348
8-7	3925		3925		3925				3925	100	541
8-14	4100				4100				4100	120	302
8-21		3950		3950	3950		3950			100	303
8-28			3950	3950	3960		3950			150	318
9-5	4000			4000				4000		70	6
9-11	4000				4000				4000	45	5
9-18	4080				4080				4080	40	4
9-25					4000					35	4
10-2		3900			3900				3900	40	4
10-9	4100				4100				4100	60	3

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 752 — Basin: Red River

Location: Wichita River below Lake Kemp, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-16-61		4050			4050				4050	70	149
10-25				4100				4100		60	144
10-30	4150				4150				4150	50	142
11-6	4150				4150			4150		40	139
11-14	4050			4050					4050	110	4
11-20	4100				4100				4100	65	3
11-29	4200			4200					4200	125	3
12-4	4200				4200				4200	50	3
12-11	4300				4300				4300	110	3
12-18	4300			4300					4300	40	3
12-27	4250			4250					4250	60	3
1-3-62	4300			4300					4300	60	3
1-8	4400			4400				4400		60	151
1-15	4400		4400						4400	100	154

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 752 — Basin: Red River

Location: Wichita River below Lake Kemp, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-23-62				4200						60	3
1-29		4300		4300			4300			90	3
2-5	4600			4600				4600		93	3
2-12			4500			4500			4500	80	3
2-19	4600			4600			4600			75	144
2-26	4500			4500				4500		100	133
3-5				4700			4700			105	133
3-12			4700				4700			120	128
3-20				4800			4800			120	128
3-27	4800			4800			4800		4800	120	124
4-3			4800		4800			4800		120	120
4-10				4600		4600				95	4
4-17	4800			4800			4800			90	3
4-24	4800			4800			4800			140	450

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 752
Location: Wichita River below Lake Kemp, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-30-62	4600		4600						4600	90	3
5-8		4800		4800			4800			100	5
5-15			4700			4700			4700	150	482
5-22			4800			4800				100	5
5-29			4950			4950				105	274
6-4				5100			5100			120	4
6-12				4900				4900		95	6
6-18	4800		4800			4800			4800	90	7
6-25	4800			4800					4800	90	6
7-2	4900		4900						4900	80	5
7-10			4900			4900				120	532
7-16	4800			4800					4800	100	438
7-23	4800		4800						4800	110	266
7-30	4600				4600				4600	80	5

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 752
Location: Wichita River below Lake Kemp, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-7-62	4700		4700			4700				100	337
8-15	4700			4700				4700		120	482
8-21		4500			4500			4500		100	483
9-5	4600		4600		4600		4600		4600	100	5
9-10				4600			4600			90	4
9-18			4400			4400				160	4
9-25				4300						110	5

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 758
Location: Wichita River above Lake Kemp near Seymour, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
10-24-60		5700			5700			5700		100	295
10-31		10600			10600			10600		190	167
11-7			13000		13000		13000			195	86
11-14	15000				15000				15000	185	66
11-21	15800		15800		15800		15800		15800	180	55
11-28	17000				17000				17000	100	47
12-5	17000		17000		17000		17000		17000	125	47
12-12					6350					200	228
12-27	16460		16400		16400		16400		16400	80	58
1-3-61	15200		15200		15200		15200		15200	120	70
1-10	17250		17250		17250		17250		17250	110	51
1-23	18000		18000		18000		18000		18000	160	42
1-30	18500		18500				18500			150	46
2-6	16000		16000		16000		16000		16000	200	64

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 758 — Basin: Red River

Location: Wichita River above Lake Kemp near Seymour, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-13-61	17300		17300		17300		17300		17300	130	47
2-20	17500		17500		17500		17500		17500	160	45
2-27	17500				17500				17500	90	51
2-6	17900				17900				17900	90	37
3-13	19500		19500		19500		19500		19500	110	34
3-20	6000		6000		6000		6000		6000	200	229
3-27	10400				10400				10400	140	62
4-3	6800				6800				6800	90	144
4-10	14800				14800				14800	110	51
4-17	17000		17000		16900		16800		16500	135	36
4-24	18000		18000		18000		18000		17000	140	25
5-1	19000			19000		19000			19000	110	19
5-8			5350		5350		5350			125	560
5-17		15300		15300		15300		15300		70	78

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 758
Location: Wichita River above Lake Kemp near Seymour, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-19-61					11000					65	200
5-22					9100		9100			80	74
5-29		16500			16500			16500		85	44
6-5	8300				8300				8300	90	107
6-12					13000					55	48
6-21	16000				16000				16000	45	41
6-26		4500			4500			4500		150	536
7-3	4450		4450		4450		4450		4450	200	431
7-10	6000		6000		6000		6000		6000	125	171
7-17		4700		4700		4700		4700		225	410
7-24	4000		4000		4000				4000	160	437
7-31	8500				8500				8500	100	46
8-7	11800				11800				11800	100	14
8-14	11300				11300				11300	90	52

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 758 — Basin: Red River

Location: Wichita River above Lake Kemp near Seymour, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-21-61			3300	3250	3300		3350			125	67
8-28			11200		11200	11200	11300			125	10
9-5		2350		2350	2350		2350			-	871
9-11	7900				7900				7900	50	36
9-18	11000			11000					11000	60	23
9-25		14000					14000			40	14
10-2	2050			2050					2050	120	393
10-9					13300					30	22
10-16	12600					12600				45	28
10-25							16000			30	19
10-30	17500					17500			17500	50	20
11-6			7100				7100			50	72
11-14	14200				14200				14200	70	34
11-20	12000			12000			12000			45	38

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 758
Location: Wichita River near Seymour, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-27-61	16000				16000				16000	35	32
12-4	17000						17000		17000	40	30
12-11	18000				18000				18000	70	31
12-18	18000		18000			18000			18000	45	33
12-27	18500					18500			18500	40	26
1-3-62	18600			18600			18600			40	26
1-8		18000			18000		18000			50	33
1-15	17000				17000				17000	90	27
1-29	18500				18500			18500		100	27
2-5	20000				20000				20000	60	21
2-12	21000				21000				21000	60	20
2-19		20000				20000	20000			75	20
2-26	20500				20500		20500			90	21
3-5			20200			20200				100	20

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 758
Location: Wichita River above Lake Kemp near Seymour, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-12-62		20700			20700			20700		100	13
3-20	19000		19500		20000		20000		19000	100	20
3-27		21800				21800			21800	100	14
4-3			21500		21500			21500		100	11
4-10			15000		15000			15000		105	26
4-17	20000			20000		20000				95	13
4-24			20700			20700		20700		90	14
4-30	4000				4000				4000	120	150
5-8		14000				14000			14000	120	23
5-15		14800			14800			14800		80	14
5-22	24500		24500				24500			140	106
5-29		3550		3550		3550				125	163
6-4				6800		6800		6800		110	45
6-12	1920		1920			1920			1920	185	1061

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 758 — Basin: Red River

Location: Wichita River above Lake Kemp near Seymour, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-18-62	5600			5600					5600	80	166
6-25	11000			11000					11000	90	45
7-2	13000				13000				13000	120	77
7-10		13000			13000			13000		100	26
7-16	16600				16600				16600	80	29
7-23	7500				7500				7500	75	28
7-30	4600				4600				4600	110	111
8-7			7700			7700				88	31
8-15	12700			12700			12700	12700		50	7
8-21			13400						13400	50	4
8-29	14000	14000			14000		14000		14000	-	2
9-5		2075		2075		2075		2075		190	806
9-10			2600		2600			2600		140	177
9-18	2400		2400		2300		2300		2300	200	1118

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 758 — Basin: Red River

Location: Wichita River above Lake Kemp near Seymour, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-25-62				6500						90	119

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 756
Location: South Fork of Wichita River near Benjamin, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-31-60	20000				20000				20000	100	35
11-7	22300				22300				22300	100	22
11-14	24000				24000				24000	100	17
11-21	26000		26000		26000		26000		26000	105	14
11-28	28500				28500				28500	75	12
12-5	28000		28000		28000		28000		28000	55	10
12-12					21000					50	23
12-19	24000				24000				24000	100	13
12-27	26000		26000		26000		26000		26000	100	12
1-10-61	26500				26500				26500	85	12
1-23	26500		26500		26500		26500		26500	100	10
1-30			28000		28000		28000			160	10
2-6	27000		27000		27000		27000		27000	105	11
2-13	26000				26000				26000	100	9

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 756 — Basin: Red River

Location: South Fork of Wichita River near Benjamin, Texas — Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-20-61	26000				26000				26000	75	10
2-27	27000				27000				27000	75	9
3-6	29500		29500		29500		29500		29500	100	7
3-13	30000				30000				30000	90	6
3-20	20000				20000				20000	100	15
3-27	26500				26500				26500	100	8
4-3	18500				18500				18500	100	20
4-10	24500				24500				24500	100	10
4-17	26000				26000				26000	80	6
4-24	29000		29000			29000			29000	100	5
5-1	31000				31000				31000	100	4
5-8	9800				9800				9800	100	121
5-17			18900		18900		18900			85	32
5-19					12900					50	47

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 756
Location: South Fork of Wichita River near Benjamin, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-22-61	19500				19500		19500			65	26
5-26					20400					-	28
5-29	23500				23500				23500	150	18
6-5		12500			12500			12500		100	212
6-12		17200			17200			17200		30	14
6-19					21750					45	25
6-26	24000				24000				24000	70	9
7-3	25500				25500				25500	80	13
7-10	26500				26500				26500	100	11
7-17	13000				13000				13000	90	15
7-24	8350				8350				8350	60	15
7-31	21200				21200				21200	50	3
8-7	23900				23900				23900	60	2
8-14	25100				25100				25100	50	15

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 756 — Basin: Red River

Location: South Fork of the Wichita River near Benjamin, Texas — Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-21-61		28000			28000			28000		80	2
8-28	25000		25500		26000	26000				90	.1
9-5	5000					5100			5100	60	38
9-11	20000				20000				20000	30	5
9-18	21500				21500				21500	35	4
9-25		25000			25000			25000		40	2
10-2	20000					20000				30	7
10-9					21300					30	3
10-16			22500				22500			40	4
10-25		28000			28000				28000	65	3
10-30		28000			28000			28000		40	3
11-6			18500				18500			20	10
11-13	22500			22500					22500	40	6
11-20	23800				23800				23800	30	9

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 756
Location: South Fork of Wichita River near Benjamin, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-27-61			27000						27000	20	7
12-4	28000				28000				28000	30	7
12-11	29000				29000				29000	25	8
12-18	28000				28000				28000	20	8
12-26	29000				29000				29000	20	7
1-2-62	30000				30000				30000	25	7
1-8	31000				31000				31000	25	8
1-15	31000				31000				31000	30	8
1-23					30000		30000			70	9
1-29	30000				30000				30000	30	7
2-5	31500				31500				31500	35	5
2-12	33000				33000					25	5
2-19	34000				34000					25	5
2-26	34000								34000	25	5

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 756
Location: South Fork of Wichita River near Benjamin, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-5-62	34000								34000	30	5
3-12	35000								35000	20	5
3-19	35000				35000				35000	25	6
3-26	35000								35000	25	4
4-3	38000								38000	20	4
4-10		20000						20000		35	7
4-16	35000								35000	20	4
4-23	38000				38000				38000	30	3
4-30			22000				22000			40	10
5-7		27000					27000			25	4
5-14		22000	22000			22000	22000			20	6
5-21					31000					3	3
5-28					32000					4	2
6-4					5200					10	15

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 756
Location: South Fork of Wichita River near Benjamin, Texas

Basin: Red River
Tributary to: Wichita River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-11-62	2200				2200				2200	100	303
6-18	10800		10800						10800	30	25
6-25				17500						20	9
7-2					15000					20	13
7-9	24000								24000	20	3
7-16					7200					10	3
7-23		2250				2250			2250	50	22
7-30					6500					25	6
8-6					32000					10	6
8-13					33000					3	0
9-4		4400					4400			35	31
9-10	7500									35	55
9-17	2800		2800			2800			2800	100	587
9-25		12250								40	21

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 757
Location: North Fork of Wichita River near Truscott, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-31-60	9500				9500				9500	50	30
11-7	14000				14000				14000	65	26
11-14	14500				14500				14500	65	27
11-21	16000				16000				16000	60	25
11-28	18000				18000				18000	40	22
12-5					17000					25	24
12-19	16000				16000				16000	70	24
12-27	16700				16700				16700	40	22
1-16-61			17000		17000		17000			40	23
1-23	17500				17500				17500	50	25
1-30		17000			17000		17000			75	33
2-6	15000				15000				15000	55	39
2-13	16000				16000				16000	50	28
2-20	16800				16800				16500	60	32

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 757
Location: North Fork of Wichita River near Truscott, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-27-61	16500				16500				16500	40	28
3-6	17500				17500				17500	30	24
3-13	19000				19000				19000	40	23
3-20	10500				10500				10500	40	51
3-27	15400				15400				15400	45	28
4-3	14200				14200				14200	45	30
4-10	16600				16600				16600	40	25
4-17	18000				18000				18000	50	22
4-24			19000			19000		19000		50	22
5-1	19800				19800				19800	60	23
5-8			15000				15000			40	21
5-17					20500					60	16
5-19							10500			35	49
5-22			21000		21000					40	17

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 757
Location: North Fork of Wichita River near Truscott, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-29-61	22400				22400				22400	45	14
6-5		19000			19000		19000			40	18
6-12	16400				16400				16400	40	15
6-19					21000					35	22
6-26	7800				7800				7800	40	80
7-3	5300				5300				5300	40	33
7-10	20000		20000		20000		20000		20000	50	61
7-17	3825				3825				3825	50	80
7-24	3900			3900			3900		3900	50	66
7-31	14000				14000		14000		14000	48	15
8-7	18000			18000			18000		18000	45	7
8-14	13300				13300		13300		13300	60	112
8-21			14500			14500		14500		45	29
8-28			17100		17100		17100			60	4

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 757
Location: North Fork of Wichita River near Truscott, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-5-61			10000				10000			40	51
9-11	17500				17500			17500		30	8
9-18		20800				20800				30	6
9-25			22000				22000			30	6
10-2		20000					20000			40	24
10-9		22200					22000			40	110
10-16			19800					19800		30	15
10-25					20000					40	13
10-30		22000						22000		30	13
11-6		16000					16000			40	18
11-13		19000			19000			19000		30	13
11-20		18000			18000				18000	60	17
11-27	20000					20000				40	16
12-4	20000				20000		20000			45	18

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 757 — Basin: Red River

Location: North Fork of Wichita River near Truscott, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-11-61	19000				19000		19000		19000	45	20
12-18	19000						19000			35	24
12-26	20500				20500				20500	35	17
1-2-62	20000				20000		20000			30	17
1-8	18000				18000			18000		40	22
1-15	18500				18500			18500		35	24
1-23			20000		20000			20000		50	15
1-29	19000						19000			35	18
2-5	21000				21000			21000		35	15
2-12	22000				22000			22000		40	16
2-19								21000		40	16
2-26	21000				21000			21000		40	18
3-5	21000							21000		40	16
3-12	22000							22000		35	13

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 757
Location: North Fork of Wichita River near Truscott, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-19-62	22000						22000		22000	35	13
4-3	23800						23800			30	11
4-10		21500		21500				21500		50	14
4-16	24000							24000		35	8
4-23	25000				25000			25000		35	7
4-30	15500						15500			40	16
5-7	22600			22600			22600			30	7
5-14	22000				22000			22000		35	4
5-21	3300				3300				3300	45	205
5-28	10800				10800				10800	35	8
6-4	20000				20000				20000	30	23
6-11	3300				3300				3300	75	231
6-18	12500				12500				12500	35	20
6-25	18000						18000			35	8

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 757
Location: North Fork of Wichita River near Truscott, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-2-62		13900					13900			30	17
7-9		22000						22000		30	4
7-16	23500				23500			23500		30	2
7-23	25500							25500		30	7
7-30	13700				13700		13700			60	94
8-6		11800			11800			11800		30	23
8-13	20000				20000				20000	25	8
8-30	22000								22000	15	4
8-27					22000					10	2
9-4			11000			11000		11000		50	468
9-10				12500			12500			35	21
9-17	4200		4200		4200		4200		4200	100	724
9-25							10500			65	42

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 771
Location: North Fork of Wichita River near Paducah, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-31-61	20000				20000				20000	35	
8-7	23000				23000				23000	35	7
8-14		24000			24000				24000	30	4
8-21			20800			20800				30	7
8-28					24000					25	3
9-5		27000					27000			25	11
9-11		27000			27000			27000		30	8
9-18	27200	27200			27200				27200	25	7
9-25					28000					30	5
10-2					26200					20	11
10-16						24000				25	7
10-25					23000					25	5
10-30					24000					18	7
11-6						23100				20	8

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 771 — Basin: Red River

Location: North Fork of Wichita River near Paducah, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-13-61		23000				23000			23000	30	8
11-20	23000				23000				23000	35	12
11-27	23000				23000				23000	25	11
12-4	23000				23000				23000	30	12
12-12					24000					30	11
12-18	22000				22000				22000	30	14
12-26	22000				22000				22000	35	12
1-2-62	22000				22000				22000	20	13
1-8	22000				22000				22000	35	14
1-15	20000				20000				20000	25	13
1-23			22000		22000					25	10
1-29					22000					25	11
2-5					23000					35	10
2-12					23000					30	11

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 771 — Basin: Red River

Location: North Fork of Wichita River near Paducah, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-19-62					23000					35	10
2-26					23000					25	11
3-5	23000				23000				23000	35	12
3-12					23500					30	10
3-19	23500				23500				23500	30	11
3-26					25000					30	7
4-3					26000					15	8
4-10				25800				25800		20	7
4-16	27000								27000	15	6
4-23					28500					20	6
4-30					27000					20	7
5-7	29000								29000	10	6
5-14					29000					10	6
5-21					28000					20	13

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 771 — Basin: Red River

Location: North Fork of Wichita River near Paducah, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-28-62					30000					10	6
6-4					26000					10	10
6-11	3700				3700				3700	150	195
6-18	22500				22500				22500	30	8
6-25					26000					12	6
7-2					24500					12	7
7-9					27000					15	6
7-16					28500					15	4
7-23		22000					22000			40	13
7-30					8250					20	13
8-6					19000					15	8
8-13					25000					12	6
8-20	27000				27000				27000	10	3
8-27					27800						3

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 771
Location: North Fork of Wichita River near Paducah, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-4-62		10000			10000					25	7
9-10						26000				20	4
9-17	3200		3200		3200		3200		3200	130	564
9-24				2200		2200				25	4

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 500
Location: Cache Creek near Walters, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60					580					35	16
10-17			350		350		350			28	25
10-24		190			190		190			45	583
10-31			420		420		420			25	149
11-14	660				660				660	25	32
11-21	720				720				720	25	28
11-28	750				750				750	35	30
12-5	745				745				745	30	26
12-12	290				290				290	50	709
12-19	800				800				800	30	78
12-27	770				800				790	25	41
1-5-61	580				590				580	35	207
1-9	830				830				830	30	77
1-16	800				800				800	35	54

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 500
Location: Cache Creek near Walters, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
1-23-61	790				790				790	20	45
1-30	810				810				810	35	48
2-6		790			790			790		30	191
2-13	715				715				715	35	78
2-20	865				865				865	15	60
2-27		880			880			880		22	81
3-6		900			900			900		30	57
3-13	900				900				900	25	25
3-20					445					20	148
3-27		795			795			795		40	54
4-5					600					30	97
4-12					640					25	83
4-19	750				750				750	30	52
4-26	830				830				830	25	35

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 500
Location: Cache Creek near Walters, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-3-61					850					20	33
5-10					700					30	33
5-17					830					20	29
5-24	680				680				680	20	46
5-31					700					15	37

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497
Location: Red River near Burkburnett, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60		9000	9000		9000		9000			150	177
10-17	3600	3600	3600	3600	3600	3600	3600	3600	3600	800	7905
10-24					3200					400	5997
10-31	5200		5200		5200		5200		5200	300	2915
11-7		7800			7800			7800		250	1444
11-14					6900					-	945
11-28	7400		7400		7400		7400		7400	280	466
12-5					8150					250	412
12-12	5100		5100		5100		5100		5100	360	1254
12-19	7450		7450		7450		7450		7450	560	1643
12-27		8200				8200	8150		8350	390	930
1-5-61	9000		9000		9000		9000		9000	300	981
1-9	8900		8700		8600		8400		8400	370	831
1-16	9800		9800			9800			9800	380	558

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497
Location: Red River near Burkburnett, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-23-61					7500					375	578
1-30					8550					350	424
2-6					8550					-	920
2-13			8700							-	888
2-20			7600							-	633
2-27			9000							400	927
3-6			8500							-	466
3-13			7500							-	431
3-20			6750							300	1879
3-27			7150							550	1085
4-5			7100							400	1045
4-12						7200				-	780
4-19					6900					40	446
4-27					8500					40	209

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497
Location: Red River near Burkburnett, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-4-61					6350					-	451
5-10			5950				5950			200	354
5-17	6600				6600				6600	80	104
5-24		5900			5900			5900		175	763
5-31		8100				8100	8100	8100		80	122
6-8		1950		1950		1950		1950		550	5746
6-19			2400		2400			2400		450	1634
6-28									9750	450	2585
7-3	6800		6800		6800	6800	6800		6800	190	271
7-12	10000		10000		10000		10000		10000	350	1460
7-19	5700		5700		5700		5700		5700	600	2549
7-26	4600		4600		4600		4600		4600	425	1859
8-16	7600		7600		7600		7600		7600	400	110
8-21		6500		6500		6500	6500		6500	350	210

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497 — Basin: Red River
Location: Red River near Burkburnett, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-5-61	5100				5400				5700	140	509
9-11	4000				4000				4000	200	130
9-18					2000					190	339
9-25	6600				6600				6600	125	63
10-2	2850				2850				2850	190	191
10-9					5550					160	110
10-16	2150				2150				2150	120	325
10-26					6650					180	70
10-30					7000					175	66
11-6	2400		2400		2400		2400		2400	200	2503
11-13	5200		5200		5200	5200	5200		5200	200	544
11-20	7100		7100			7100			7100	200	863
11-27		8500		8500		8500			8500	160	378
12-4	7900		7900			7900	7900		7900	180	276

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497
Location: Red River near Burkburnett, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-6-61						7700				-	275
12-8						7500				-	308
12-12						8100				-	214
12-15						8800				-	221
12-18	8400		8400			8400	8400		8400	190	347
12-20						8750				-	373
12-22						8100				-	328
12-26		8900			8900		8900			180	237
12-28					8300					100	213
1-2-62		8300				8300		8300		180	201
1-4					8000					-	210
1-8	8200			8200		8200			8200	200	201
1-15				8400						-	204
1-17				7600						-	244

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497
Location: Red River near Burkburnett, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-19-62			7200							-	154
1-23			10700							-	217
1-26			8400							-	455
1-29	8500					8500			8500	120	742
1-31					6500					90	463
2-2					8700					80	356
2-5		9500			9500			9500		120	211
2-9					8500					-	203
2-12					8500					180	190
2-14					8400					-	187
2-16					8700					-	207
2-19	8600			8600				8600		130	165
2-23				8700						-	146
2-26					8500		8500			70	149

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497 — Basin: Red River

Location: Red River near Burkburnett, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-28					8900					30	123
3-2			8000			8000				50	152
3-5					8900					60	136
3-7				8900		8900				70	128
3-9						8200				50	146
3-12			9200				9200		9200	60	151
3-14						9300				-	122
3-16						9400				150	127
3-19			9100		9100		9100			150	110
3-21		8100			8100			8100		180	162
3-23		8200			8200		8200			175	145
3-26	8700			8700		8700			8700	180	96
3-28				10000		10000				180	82
3-30						10200				180	67

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497
Location: Red River near Burkburnett, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-2-62		9500		9500		9500		9500		180	64
4-4				9200		9200				180	65
4-6				7500		7500				180	143
4-9		7900		7900			7900			180	158
4-12			10800							180	182
4-16	11800			11800			11800			180	135
4-18				9800			9800			180	115
4-20				8700						-	99
4-23		9500			9500		9500			180	73
4-25							7300			190	293
4-27							6600			185	578
4-30		7500		7500		7500			7500	260	3912
5-3						5700				-	950
5-5						5700				-	510

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497
Location: Red River near Burkburnett, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-7-62		6200		6200		6200		6200	6200	290	384
5-9						7100				220	224
5-11						7900				221	161
5-14	9000					9000				190	117
5-16					9700					160	94
5-18					9800					190	82
5-21		8800				8800			8800	195	142
5-23					9900		9900		9900	170	268
5-25				7300						210	164
5-28		1800				1800			1800	220	587
5-30						4700				321	1739
6-1							1500			230	1960
6-2						1280				240	1835
6-4			1650		1650		1650		1800	260	2814

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497 — Basin: Red River

Location: Red River near Burkburnett, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-6-62						2000				-	1421
6-8					3300				3300	290	8787
6-11		3200			3200		3200		3200	350	13183
6-13					2600					300	8958
6-15				1950						230	6589
6-18	3200		3200		3200		3200		3200	225	6339
6-20		3700								-	16283
6-22	4650									210	5341
6-25			4000		4000		4000		4000	270	2845
7-2	6200		6200		6200		6200		6200	150	665
7-9		7600		7600			7600		7600	205	217
7-16	7900		7900		7900		7900		7900	140	203
7-23	8600		8600	8600			8600		8600	160	242
7-27			6500							-	2752

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 497
Location: Red River near Burkburnett, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-30-62	3200		3200		3200	3200		3200		250	1355
8-6	3800			3800	3800		3800	3800	3800	210	1140
8-13	5500		5500		5500		5500		5500	150	266
8-20							6000			150	90
8-27		7250				7250		7250		100	53
9-3	4300				4300				4300	100	77
9-10		2950		2950		2950		2950		130	372
9-17	3650		3650				3650		3650	200	520

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 759
Location: Pease River near Vernon, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-26-60	2300		2600		5800		6600		6600	180	624
11-2			11800		11800		11800			140	76
11-9	12400		12400		12400		12400		12400	103	45
11-16					12000						34
11-23	12250				12250				12250	75	26
11-30	12000				12000				12000	80	21
12-7					9500					100	38
12-15	17000		17000		17000		17000		17000	75	110
12-21	11500		11500		11500		11500		11500	140	69
12-29	14000		14000		14000		14000		14000	80	43
1-4-61	17000		17000		17000		17000		17000	120	99
1-11	14900		14900		14900		14900		14900	85	50
2-1					13000					60	33
2-8	11900		11900		11900		11900		11900	215	83

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 759 — Basin: Red River

Location: Pease River near Vernon, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-15-61	15500		15500		15500		15500		15500	130	55
2-22	11300				11300				11300	125	106
3-1	8800		8800		8800		8800		8800	140	115
3-22	10500		10500		10500		10500		10500	205	148
3-29	11000				11000				11000	150	74
4-5	14500				14500				14500	70	43
4-12	13200				13200				13200	40	36
4-18					12800					35	22
4-26	13500				13500				13500	30	13
5-3		12750						12750		50	10
5-10			12500				12500			25	7
5-17					11000					4	2
5-24			16000				16000			30	6
5-25				11200						30	5

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 759 — Basin: Red River
Location: Pease River near Vernon, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-8-61			3900				3900			130	190
6-14					8550					30	24
6-20	9250				9250			9250		100	81
6-28	5825		5825			5825		5825		120	219
7-5	11600				11600				11600	40	3
7-12	4600		4600				4600		4600	220	1178
7-19	3600		3600		3500		3500		3500	80	201
7-26		6600			6600				6600	85	61
8-2		9500				9500			9500	31	3
8-9	9250				9250				9250	35	6
8-16	6900				6900		6900		6900	120	54
8-23	7300		7300			7300			7250	130	43
8-30			9600		9600		9600			30	2
9-7		3850			3850		3850			80	6

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 759
Location: Pease River near Vernon, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
9-13-61		1500			1500		1500			120	44
9-20		7800			7800					6	.1
10-11				3500				3500		25	.2
11-1					10000					2	2
11-8			9200					9200		25	4
11-15		6500			6500			6500		35	14
11-22	15000					15000			15000	20	10
11-29					13000					25	6
12-6	12000				12000				12000	30	6
12-14	13500				13500				13500	30	9
12-20	14000				14000				14000	20	9
12-28	13200				13200				13200	25	5
1-4-62	11800				11800				11800	20	4
1-17	9200				9200				9200	35	6

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 759
Location: Pease River near Vernon, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-25-62	9800				9800			9800		30	14
1-31	13500				13500				13500	30	7
2-7	14200								14200	30	3
2-14	12000								12000	25	3
2-21	11000								11000	15	2
2-28	10600								10600	30	1
3-7	11000								11000	20	2
3-12						11400				8	1
3-21					9700					4	2
3-28					9500					4	1
4-5	10800								10800	25	5
4-11			15700						15700	30	11
4-18	13000								13000	20	3
4-25	11800								11800	20	6

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 759 — Basin: Red River
Location: Pease River near Vernon, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-8-62	10000				10000				10000	60	3
8-15	9300								9300	30	.1
9-7		2300		2300			2300			60	34
9-12		10500								15	4
9-19	4200		4200		4200		4200		4200	150	273
9-25			1900							250	795

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 755 — Basin: Red River

Location: Pease River near Childress, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-31-60	20800								20800	70	37
11-7	27000								26400	11	12
11-14	27500									55	8
11-21	29800	28000	28000						24000	7	7
11-28					32500					20	7
12-5					31500					20	7
1-10	22500		22500				22500		22500		28
1-30	30000							30000		20	8
3-27	25000	25000	25000				25000	25000	25000		23
4-10	29500							29500			7
4-17	30000			30000						30	4
4-24	31000		31000			31000		31000		75	3
5-1	30000			30000					30000	50	3
5-8	30000		30000					30000		45	3

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 755 — Basin: Red River
Location: Pease River near Childress, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
5-15-61			28500				28500			30	2
5-22		30500			30500		30500				2
5-29			29000		29000		29000			36	2
6-5		25000			25000		25000			40	24
6-12			30000				30000			60	20
6-26	7000				7000				7000	50	367
7-3	22000				2200C				22000	30	11
7-10	3550		3500		3600		3600		3600	300	1236
7-17			4800			4800			4800	100	362
7-24	9900		9900			9900			9900	60	75
7-31	25000				25000				25000	15	2
8-7					24000					16	.6
8-14	24000					24000			24000	45	56
8-21			11000		11000		11000			30	80

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 755
Location: Pease River near Childress, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-28-61			25000				25000			40	3
9-5				26600			26600			30	7
9-11	28000						28000		28000	25	5
9-18	28000				28000				28000	25	3
9-25		25000					25000			30	2
10-2		26000					26000			25	2
10-9					13000					60	15
10-16							30000			30	3
10-25		30500					30500			40	2
10-30			30000				30000			25	2
11-6		33200					33200			20	7
11-13	32000				32000				32000	25	4
11-20	35000				35000				35000	25	7
11-27					35000					25	4

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 755 — Basin: Red River

Location: Pease River near Childress, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-4-61	35000				35000				35000	25	5
12-12					33000					30	4
12-18					36000					25	9
12-26	35000				35000				35000	30	6
1-2-62	35000				35000				35000	25	6
1-8					36000					20	5
1-15					33000					25	6
1-23						29000				20	5
1-29					32000					30	9
2-5					35000					20	3
2-12	36000								36000	20	4
2-19		36000								20	3
2-26					37000					25	4
3-5	36000								36000	25	4

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 755
Location: Pease River near Childress, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-12-62	36000								36000	30	3
3-19	36500				36500				36500	30	4
3-26	35000								35000	25	3
4-3	36000								36000	20	3
4-10		35000					35000			40	4
4-16	36000								36000	15	2
4-23	36000								36000	25	2
4-30	35000				35000				35000	30	5
5-7	34500				34500				34500	30	2
5-14					31000					20	1
5-21	9800				9800				9800	30	151
5-28					33500					25	2
6-4	33500				33500				33500	30	49
6-11	3600		3600		3600		3500		3500	25	1636

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 755
Location: Pease River near Childress, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-18-62	27000				27000				27000	40	451
6-25	25000				25000				25000	50	23
7-3		26000			26000				26000	35	8
7-9			31500						31500	30	7
7-16					30500					10	2
7-23		18500		18500			18500			55	20
7-30		5000			5000				5000	70	275
8-6			31500						31500	30	4
8-13			29000					29000		25	5
8-20	29000							29000	29000	40	2
8-27					29000					20	2
9-4			33000			33000				30	5
9-11			34000			34000				35	5
9-17		4400			4400		4400		4400	90	1246

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 755
Location: Pease River near Childress, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-24-62							27000			25	8

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 490
Location: North Fork of Red River near Headrick, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60					9800					50	22
11-2	4400		4400		4400		4400		4400	300	3700
11-9	5000		5000		5000				5000	375	441
11-16			7000		7000					295	171
11-23	5300		5300		5300		5300		5300	240	274
11-30	7400		7400		7400		7400		7400	250	165
12-7			6600		6600					300	210
12-20			3200		3200		3200			175	699
12-28	4400		4400		4400		4400		4400	200	358
1-4-61	4400		4400		4400		4400		4400	150	398
1-11			5600		5600		5600			200	221
1-24	5450		5450		5450		5450		5450	300	259
2-1		7800						7800		80	209
2-8	4000		4000		4000		4000		4000	270	360

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 490
Location: North Fork of Red River near Headrick, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-15-61	3150		3150		3150		3150		3150	290	557
3-1	3700		3700		3700		3700		3700	300	287
3-22	2600		2600		2600		2600		2600	220	975
3-29	5200		5200		5200		5200		5200	200	243
4-5	3400				3400				3400	180	493
4-12	3180		3180		3180		3180		3180	200	323
4-19			7050					7050		165	116
4-26			8000				8000			140	84
5-1			3800		3800			3800		270	150
5-17			9000		9000		9000			50	65
5-24		4500			4500			4500		250	178
5-25				4500						250	137
5-31			8100				8100			60	61
6-7			1250		1250			1180		400	4076

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 490 — Basin: Red River

Location: North Fork of Red River near Headrick, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-14-61		2150		2100	2050		2000		1950	300	2830
6-20				2950						100	586
6-28	3500				3500				3500	100	275
7-5	4400				4400				4400	100	100
7-12	7500			7500				7500		150	129
7-19		6100		6100		6100				80	67
7-26	5500	5500			5500				5500	230	209
8-2	7300		7300		7300				7300	230	69
8-9		8600			8600		8600		8600	200	64
8-15	7300				7300				7300	200	67
8-22		1650			1670			1650		200	264
8-30		7200	7200		7200		7200			80	50
9-6		2450						2450		175	168
9-12		3700			3700		3700			180	119

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 490 — Basin: Red River

Location: North Fork of Red River near Headrick, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-19-61	8100		8100						8100	60	69
9-26		1450						1450		200	663
10-3		4100			4100			4100		200	128
10-10			2400			2400		2400		200	1790
10-17		5800					5800			240	73
10-26		8400			8400		8400			250	47
10-31		4700			4700			4700		200	96
11-7		2400			2400			2400		120	247
11-14		5400			5400				5400	100	73
11-21	5500		5500		5500				5500	250	125
11-29		6900			6900				6900	175	92
12-6		7700			7700		7700		7700	200	138
12-14	5200		5200			5200			5200	130	160
12-20	8300		8300		8300				8300	250	182

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 490
Location: North Fork of Red River near Headrick, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-28	7600		7600		7600		7600		7600	220	166
1-4-62		7500			7500				7500	200	164
1-9			7200							180	81
1-17	6300		6300			6300			6300	200	135
1-25	6800		6800		6800					210	138
1-31	8500		8500		8500				8500	200	106
2-7		8000			8000				8000	195	79
2-14	8600		8600		8600				8600	190	58
2-21		8500			8500				8500	190	59
2-28		9500								180	49
3-7		8900			8900				8900	160	51
3-15	9200		9200						9200	130	50
3-21		9100			9100				9100	160	51
3-28		9500			9500				9500	120	42

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 490 — Basin: Red River

Location: North Fork of Red River near Headrick, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-5-62		9600			9600				9600	140	43
4-11	11000		11000				11000			140	58
4-18		8800			8800				8800	230	62
4-25		8800			8800				8800	180	70
5-2		4650			4650		4650		4650	225	255
5-9	8800		8800		8800		8800		8800	210	88
5-16	10200		10200		10200				10200	80	50
5-23	12000				12000				12000	80	40
5-30		900			900				900	230	669
6-6	2500		2500		2400		2400		2400	190	339
6-13		2100			2100		2100		2100	370	3875
6-20		1800		1800	1800	1800			1800	420	2835
6-27	2800		2800			2800			2800	110	284
7-4	5600		5600			5600			5500	140	72

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 490
Location: North Fork of Red River near Headrick, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
7-11-62	7000		7000			7000			7000	120	42
7-18	6800		6800			6800			6800	125	133
7-25	5100		5100			5100			5100	110	289
8-1	5100		5100					5100		120	107
8-8	4200		4200			4200			4200	120	131
8-15	6900		6900						6900	80	56
8-29	9200		9200						9200	70	20
9-7	6800				6800			6800			
9-12	3200						3200			60	83
9-19	4100		4100		4100		4100		4100	300	2125
9-25		2400								150	340

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 753 — Basin: Red River
Location: Elm Fork of North Fork of Red River near Carl, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-25-60		6400			6500			6500		150	106
11-1					10600					75	74
11-8	11100				11100				11100	190	72
11-15	12500				12500				12500	90	70
11-22	11500		11800		12000		12000		12000	210	54
11-29			12000		12000		12000			100	48
12-6	13800				13800				13800	110	44
12-20	12400				12400				12400	120	48
1-11-61	14000		14000		14000		14000		14000	120	41
1-24	13900		13900		13900		13900		13900	200	38
1-31		13000			13000			13000		80	41
2-9	17400		17400		17400		17400		17400	200	33
2-14	15000		15000		15000		15000		15000	180	28
2-21	11400		11400		11400		11400		11400	125	41

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 753 — Basin: Red River

Location: Elm Fork of North Fork of Red River near Carl, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
3-7-61	16500				16500				16500	130	29
3-21	9300				9300				9300	200	68
4-4	12000				12000				12000	180	60
4-11	11500				11500				11500	150	54
4-18			11300				12400			230	49
4-25			13000				13000		13800	200	41
5-2		14250							14250	195	43
5-16	18000				18000				18000	100	28
5-23		19500			19500		19500			50	23
6-6			4850		4250		4250			200	111
6-13		12800					12800			30	35
6-20					14000			14000		50	25
6-27	16000		16000		16000		16100		16200	85	17
7-4	16800		16800		16800				16800	160	14

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 753 — Basin: Red River

Location: Elm Fork of North Fork of Red River near Carl, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
7-11-61	17500				17500				19500	160	13
7-18	26000			26000			26000			100	9
7-25	15000	15000	15000		15000		15000		15000	110	18
8-1	25000				25000				25000	120	12
8-8	33000				33000			33000		120	10
8-15	24500			24500			24500		24500	120	12
8-22		31000			31000			31000		140	12
8-29	45000				45000				45000	120	10
9-6		41000			41000			41000		125	11
9-12		45500			45500			45500		100	11
9-19		40000			40000			40000		120	11
9-26		40000			40000				40000	100	11
10-3		34500			34500				34500	100	12
10-10		27000			27000			27000		100	15

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 753
Location: Elm Fork of North Fork of Red River near Carl, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-17-61		31000			31000			31000		50	12
10-26		25000			25000			25000		100	12
10-31		23500				23500		23500		100	15
11-7		25000			25000		25000			120	16
11-14		26000		26000			26000			110	18
11-21	24000				24000				24000	200	21
11-28	23500				23500				23500	110	18
12-5	23000		23000		23000		23000		23000	200	20
12-13	28000				28000				28000	200	13
12-19	17000			17000			17000		17000	200	17
12-27	21000		21000		21000		21000		21000	120	15
1-3-62	18000		18000		18000		18000		18000	180	15
1-16	20000		20000		20000		20000		20000	180	19
1-24	17500		17500		17500					180	19

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 753 — Basin: Red River
Location: Elm Fork of North Fork of Red River near Carl, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
1-30-62	21000				21000				21000	180	14
2-6	27000		27000		27000		27000		27000	180	14
2-13	18000				18000				18000	180	16
2-20	24000			24000			24000		24000	180	17
2-27	48000				48000				48000	160	14
3-6	23000				23000				23000	150	17
3-13	24000				24000				24000	140	14
3-20	32000		32000		32000		32000		32000	130	14
3-27	25000				25000				25000	130	14
4-4	24000		24000		24000		24000		24000	120	16
4-11	24000	24000		24000			25000		26000	75	18
4-17	27900				27900				27900	135	14
4-24	30000		30000			30000			30000	115	13
5-1	13000		13000		13000		13000		13000	140	60

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 753
Location: Elm Fork of North Fork of Red River near Carl, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-8-62	19500		19500		19500		19500		19500	120	25
5-15	23000		23000				23000		23000	80	12
5-22	19000				19000				19000	80	14
5-29	23000		23000				23000		23000	60	8
6-5	15500				15500				15500	120	53
6-12	21000		21000		21000		21000		21000	90	14
6-19	10600		10800		11000		11000		11000	75	55
6-26	20000				20000				20000	100	20
7-4	24000				24000				24000	100	13
7-10	32000				32000				32000	95	9
7-17	40000				40000				40000	85	6
7-24	4600		5300		5500		5800		6200	120	612
7-31	18000			18000	18000		18000			80	20
8-7	12000				12000				12000	60	24

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 753
Location: Elm Fork of North Fork of Red River near Carl, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-14-62	24000				24000				24000	75	16
8-21								30000		40	8
8-28		33000						33000		20	6
9-7	32000							32000		70	8
9-12		21000						21000		100	10
9-18	5700		6000			7000		7100		100	67
9-24			9000							80	42

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 754
Location: Elm Fork of the North Fork River at Salton Crossing, Oklahoma

Basin: Red River
Tributary to: North Fork River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-1-60	4550									104	73
11-8	4800									90	72
11-22	4950				4950				4950	100	54
11-29	5600				5600				5600	78	45
12-28	5000		5000		5000		5000		5000	75	41
1-31-61	5500									72	41
2-14	5600				5600				5600	80	28
2-21	5000									100	41
2-28	5800									60	30
3-7	5750									60	29
3-14	6000				6000				6000	38	28
3-21	4700				4700				4700	114	68
3-28	5270				5270				5270	103	54
4-4	5200				5200				5200	111	60

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 754
Location: Elm Fork of North Fork River at Salton Crossing, Oklahoma

Basin: Red River
Tributary to: North Fork River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-11-61	5200				5200				5200	100	54
4-18	5600									48	49
5-2	6250									50	43
5-9	6500								6500	-	32
5-16	7700									-	28
5-23						7250				80	23
5-30		7500			7500					40	23
6-6							2640			140	111
6-13		6200			6200			6200		30	35
6-27	6700		6700		6700		6700		6700	38	17
7-4	6800								6800	60	14
7-11	7000				7000				7000	39	13
7-18	8050									38	9
7-25	6300				6300				6300	40	18

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 754 — Basin: Red River

Location: Elm Fork of North Fork River at Salton Crossing, Oklahoma — Tributary to: North Fork River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-1-61	8700				8700				8700	43	12
8-8	9600				9600				9600	30	10
8-15	7600				7600				7600	46	12
8-22		9300								32	12
8-29	10100				10100				10100	25	10
9-6								9300		30	11
9-12		9700								20	11
9-19	9300									20	12
9-26	8600									34	11
10-3	8500									32	12
10-10	8700									35	15
10-17	8050									31	12
10-26		7600								35	12
11-3	5800		5800		5800		5800		5800	60	28

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 754 — Basin: Red River

Location: Elm Fork of North Fork River at Salton Crossing, Oklahoma — Tributary to: North Fork River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-7-61	7400				7400					45	16
11-21	7100									50	21
11-28	6600				6600				6600	35	18
12-5	6900				6900				6900	50	20
12-13	7300									50	13
12-19	5700									50	17
12-27	6200				6200				6200	55	15
1-3-62	5800				5800				5800	51	15
1-24	6400									60	19
1-30	6000				6000				6000	68	14
2-6	6400				6400				6400	50	14
2-13	6500				6500				6500	30	16
2-20	6500				6500				6500	35	17
2-27	15000									50	14

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 754 — Basin: Red River

Location: Elm Fork of North Fork River at Salton Crossing, Oklahoma — Tributary to: North Fork River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-6-62	6600				6600				6600	54	17
3-13	6800				6800				6800	40	14
3-20	7500				7500				7500	50	14
3-27	7400				7400				7400	50	14
4-4	7100				7100				7100	50	16
4-11	7600									-	18
4-17	7500				7500				7500	40	14
4-24	7600				7600				7600	35	13
5-1	7000				7000				7000	54	60
5-8	8300				8300				8300	70	25
5-15	8800				8800				8800	70	12
5-23	8900				8900				8900	54	10
5-29	8500					8500		8500		30	8
6-5	9000				9000				9000	70	53

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 754 — Basin: Red River

Location: Elm Fork of North Fork River at Salton Crossing, Oklahoma — Tributary to: North Fork River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-12-62	6500				6500				6500	48	14
6-19	5200				5200				5200	90	55
6-26	9400				9400				9400	50	20
7-4	11500						11000			43	13
7-10	11500				11500					35	10
7-17	16500				16500				16500	35	6
7-24	2000									125	612
7-31	7400				7400				7400	53	20
8-7	6100								6100	80	24
8-14	9100				9100				9100	40	16
8-28	16500				16500				16500	30	6
9-12	8500									40	9
9-24	4100									-	42

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 483 — Basin: Red River
Location: North Fork of Red River near Carter, Oklahoma — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-1-60					2575					50	191
11-8		2600			2600			2600		180	180
11-16					2500					50	181
11-22	2600				2600				2600	160	158
11-29	2600				2600				2600	120	146
12-6	2600				2600				2600	150	166
12-28	2700		2700		2700		2700		2700	160	167
1-24-61	2700		2700		2700		2700		2700	180	174
2-1	2500		2600				2550		2600	150	347
2-7	2500				2500				2500	60	203
2-15	2700		2700		2700		2700		2700	150	110
2-21	2520				2520				2520	120	206
2-28	2900		2900		2900		2900		2900	120	105
3-7	2800				2800				2800	90	111

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 483 — Basin: Red River

Location: North Fork of Red River near Carter, Oklahoma — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-14-61	2750				2750				2750	150	120
3-22	2600		2600		2600		2600		2600	180	260
3-28					2800					120	180
4-4	2600				2600				2600	110	117
4-11	2600				2600				2600	130	159
4-19	2400				2400				2400	150	105
4-26	2500		2500				2500		2500	180	45
5-2						1650		1650		150	92
5-9			2200				2200			90	42
5-16	2550				2550				2550	50	8
5-23			2000		2000		2000			130	101
5-30	2300			2300			2300		2300	100	47
6-7		580			580			580		400	7142
6-13	1800				1800				1800	60	312

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 483 — Basin: Red River

Location: North Fork of Red River near Carter, Oklahoma — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-20-61			2025				2025			80	191
6-27	2200				2200				2200	65	101
7-5		2400			2400				2400	50	67
7-11	1600				1600				1600	70	171
7-18		1050		1050		1050		1050		-	239
7-25	1700			1700	1700				1700	80	107

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 481
Location: Salt Fork of Red River at Mangum, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-2-60			2300		2300		2300			150	90
11-9	2640				2600				2600	165	79
11-16					2650					50	91
11-22	2780		2780		2780		2780		2780	190	111
11-29	2800		2800		2800		2800		2800	165	89
12-6	2700		2700		2700		2700		2700	125	96
12-28	2550		2550		2550		2550		2550	80	79
1-4-61	2550				2550				2550	40	124
1-24	2900				2900				2900	15	38
2-1	2650				2700				2600	85	406
2-7	2500		2500		2500		2500		2500	90	129
2-15	2600		2600		2600		2600		2600	110	74
2-21	2600				2600				2600	100	96
2-28	2900				2900				2900	70	67

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 481
Location: Salt Fork of Red River at Mangum, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-7-61	3000				3000				3000	75	37
3-14	3100				3100				3100	100	30
3-22	2200		2200		2200		2200		2200	110	130
3-28	2700				2700				2700	120	127
4-4	2800				2800				2800	150	50
4-11	3550				3550				3550	100	59
4-19				2850					2850	50	14
4-26	3200				3200				3200	40	7
5-2	3000								3000	35	3
5-11					3170					2	0.0
5-23		3250			3250					35	13
6-7			1250		1275		1275			275	1402
6-20		2500			2500			2500		45	37
6-27	1580		1580		1580		1580		1580	90	78

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 481 — Basin: Red River
Location: Salt Fork of Red River at Mangum, Oklahoma — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-5-61	2700									10	37
7-11	1600				1850				1850	100	72
7-18			1275				1275			190	170
7-25		1700		1700		1700	1700		1700	110	59
8-15	1860				1860	1860			1860	65	1
8-22		1825					1800			70	50
11-7		2650				2650			2650	100	8
11-14		2700			2700		2700			40	16
11-21	2400				2400				2400	100	19
11-28	2700				2700				2700	45	21
12-5	2600			2600		2600		2600		135	43
12-13			3300				3300			85	23
12-20	2200			2200			2200			40	41
12-27	2700				2700				2700	43	15

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 481
Location: Salt Fork of Red River at Mangum, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm. @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-3-62	2950				2950				2950	120	26
1-16							2800	2800		120	14
1-24							2800		2800	180	30
1-30	2150				2150				2150	85	77
2-6	2800				[illegible]0				2800	85	40
2-13	2800				2800				2800	80	38
2-20	3000				3000				3000	65	22
2-27					3000					50	11
3-6	3300				3300				3300	90	40
3-15	3100				3100				3100	70	14
3-20	3300				3300				3300	35	11
3-27	3500								3500	25	5
4-11				3300		3300		3300		80	25
4-17	3400				3400				3400	40	5

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 481 — Basin: **Red River**

Location: Salt Fork of Red River at Mangum, Oklahoma — Tributary to: **Red River**

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-24-62	3000				3000				3000	35	2
5-1	2300		2300		2300		2300		2300	140	40
5-8			3200			3200			3200	60	22
5-15					3600					15	0.0
5-22	3000				3000			3000		25	28
5-29	2800				2800			2800		90	0.0
6-5	3000						3000		3000	110	31
6-12	2000		2000			2000		2000		180	81
6-20	1400				1400				1400	180	331
6-26		2100							2100	20	23
7-24	1600	1600					1600		1600	90	131
7-31					2300					15	36
8-7	2160	2160	2160				2160		2160	75	44
8-14		2900						2900		16	8

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 481
Location: Salt Fork of Red River at Mangum, Oklahoma

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
9-18-62	1350	1350			1350			1350	1350	110	194
9-25		1900								40	30

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 703 — Basin: Red River
Location: Salt Fork of Red River near Wellington, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60					3150					-	21
10-11					3300					-	668
10-18					700					300	2802
10-25					2200					50	354
11-1	2800		2600						2400	-	223
11-8	2600				2600				2600	100	48
11-15	2650				2650				2650	110	70
11-22	2700				2700				2700	140	39
11-29	2900				2900				2900	40	27
12-6					2500					50	46
12-8					2400					-	58
12-13					2050					-	23
12-15					2100					-	26
12-20					2600					-	20

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 703
Location: Salt Fork of Red River near Wellington, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-28-60					2600					180	66
1-4-61	2600				2600				2600	30	41
1-11			2600		2600		2600			-	31
1-17			2600		2600		2600			35	35
1-24	2500		2500		2500		2500		2500	200	55
1-31	2400	2400	2400		2400		2400		2600	80	136
2-7	3000		3000		3000		3000		3000	100	84
2-19					2610					140	86
2-21					2250					230	158
2-28	2900				2900				2900	35	34
3-7	3050				3050				3050	40	28
3-14	3000				3000				3000	60	29
3-21		2280						2280		90	72
3-23					2450					-	46

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 703
Location: Salt Fork of Red River near Wellington, Texas

Basin: Red River
Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-28-61	2400				2400				2400	50	46
4-4			2700					2700		45	57
4-11	2500				2500				2500	50	31
4-18					2500					30	13
4-20					3000					- .	7
4-25								2850	2300	45	6
5-2	3000								2550	60	10
5-4					3200					-	26
5-9					2300					20	2
5-11					2850					-	1
5-16								2600		20	4
5-23			2300		2500	2300				40	10
5-30					3200					30	6
6-6			970		970		970	970		400	1705

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 703 — Basin: Red River

Location: Salt Fork of Red River near Wellington, Texas — Tributary to: Red River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-13-61					2500					70	31
6-20		2850			2850			2850		70	27
6-27	1675				1675				1675	75	36
7-4	3325	3325			3200				3025	120	10
7-11	1800		1800		1800					125	45
7-18	1380			1380			1380		1380	60	69
7-25	1700				1900				1900	40	39

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 750 — Basin: Red River
Location: Red River near Quanah, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60					22000					-	7
10-10					19500					-	3
10-17					7700					-	3413
10-24		11400			11500			11500		200	360
10-31	19300				19300				19300	125	171
11-7		23000			23000			23000		85	55
11-14	23750				23750				23750	85	63
11-23	25500				25500				25500	70	47
11-28					27000					40	43
12-5			25000		25000		25000			40	44
12-14					17500					-	659
12-21					23000					-	258
12-27	24000				24000				24000	30	115
1-3-61					22000					-	161

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 750 — Basin: Red River
Location: Red River near Quanah, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61					26000					30	73
1-16	25000				25000		25000			35	58
1-21	24500				24500				24500	30	34
1-30		25500			25500			25500		30	71
2-6					24000					100	96
2-13	24000				24000				24000	-	116
2-17					24500					-	81
2-20	23500				23500				23500	30	66
2-27	25000		25000		25000		25000		25000	120	90
3-6					23000					25	19
3-13					22000					30	6
3-20					18000					-	344
3-21					21000					-	346
3-27	25000		25000		25000		25000		25000	155	86

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 750
Location: Red River near Quanah, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-3-61	25000				25000		25000		25000	150	101
4-10	23000				23000				23000	35	40
4-17						20000				30	19
4-20					20000					-	18
4-24	21000				21000				21000	30	11
4-27					19500					-	4
5-1			21250		21250			21250		40	7
5-4					22000					-	13
5-8	33000				33000				33000	25	20
5-11					22000					25	3
5-15					19800					20	1
5-19						9300				50	867
5-24		20000			20000			20000		75	23
5-26					18600					30	14

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 750
Location: Red River near Quanah, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-31-61					19400					60	3
6-5		20000			20000		20000			60	77
6-14		20000			20000					40	13
6-20					28000					18	29
6-26	13000		13000		13000		13000		13000	200	904
7-3			20500				20500			20	4
7-10	10200		10200		10200		10200		10200	500	2859
7-19			9000		9000				9000	250	196
7-26	9900		9900	9900		9900		9900	9900	210	80
8-2				19000			19000		19000	26	4
8-9			17800					17800		32	2
8-16		18000					18000			36	4
8-23			16100				16100			80	54
8-30			20000		20000		20000			30	2

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 750 — Basin: Red River
Location: Red River near Quanah, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-7-61								18300		20	3
9-13			20000					20000		40	39
9-20		17500					17500			30	5
9-27						21700				20	4
10-4			17200				17200			20	3
10-11				50000		50000			50000	80	55
10-18			18300				18300			8	3
10-27				16000						15	3
11-1	26000				26000				26000	25	25
11-8		24000			24000				24000	25	49
11-15		21000		21000		21000		21000		70	124
11-22			29000				29000	29000	29000	45	81
11-29	28000				28000				28000	45	19
12-6	30000				30000				30000	40	32

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 750
Location: Red River near Quanah, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-12-61		35000				35000		35000		30	23
12-20	31000				31000				31000	40	52
12-28	26000				26000				26000	25	19
1-4-62	27000				27000				27000	25	25
1-16	34000				34000				34000	30	39
1-25	28000				28000			28000		60	55
1-31	29000				29000				29000	45	40
2-7	28000				28000				28000	40	13
2-14	28000				28000				28000	30	14
2-21	27000				27000				27000	35	13
2-28									28000	35	7
3-7	27000				27000				27000	35	11
3-12					30000				30000	50	9
3-21	33000				33000				33000	25	17

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 750
Location: Red River near Quanah, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-27-62					21500					10	2
4-5	21000				21000				21000	40	23
4-11			30000						30000	45	18
4-17	23800								23800	30	3
4-25	30000							30000		35	30
5-2			15600					15600		35	52
5-9					22600					20	7
5-15					19600					10	2
5-23					26000					8	9
5-30					21800					4	2
6-5					17000					20	145
6-13	15500			15500		15500		15500		280	208
6-19	16800		16800		16800			16800		280	13361
6-20	9500		9500		9500		9500		9500	300	4018

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 750
Location: Red River near Quanah, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-27-62	9400			9400			9400		9400	210	652
7-3	22000				22000				22000	30	21
7-11	18300								18300	15	14
7-17		23500			23500				23500	40	7
7-25	8700				8700		8700		8700	300	4145
8-1	8000		8000		8000			8000		310	1939
8-8	16800				16800		16800		16800	40	17
8-15					14300					12	4
8-22					11200					15	2
8-28					17200					8	1
9-7		24500							24500	50	11
9-12									17500	25	3
9-19			13500		13500			13500		50	19
9-25									6000	150	1038

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 478
Location: Red River near Brice, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60					60000					-	0.1
10-18					2400					50	5255
10-25					12500					50	52
11-1	17200		17200		17200		17200		17200	70	25
11-8	19300		19300		19300		19300		19300	185	19
11-15	20000		20000		20000		20000		20000	210	11
11-22	45000				22500				22500	300	7
11-29					30000					12	3
12-6					24000					10	9
12-13					22000					-	26
12-15					24500					-	21
12-20					27000					45	12
12-27	28000				28000				28000	10	8
1-4-61	28000				28000				28000	60	10

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 478 — Basin: Red River
Location: Red River near Brice, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61	29500				29500				29500	-	8
1-17					27500					-	3
1-24	39000				39000				39000	15	2
1-31	60000				25500				30000	100	15
2-7	27000				27000				27000	30	6
2-14	31000				31000				31000	15	2
2-21	24500				24500				24500	190	55
3-21	26000		26000		26000		26000		26000	200	33
3-28	31000				31000				31000	19	4
4-4	34000				34000				34000	14	3
4-11	40000				40000				40000	10	0.3
6-6		9000		9000		9000		9000		150	580
6-19			6400		6400		6400			40	20
6-27	8050		8050		8050		8050		8050	75	0.1

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 478
Location: Red River near Brice, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-4-61					40000					5	0.0
7-11	8900		8800		8750		8750		8750	300	130
7-18		6800			6800			6800		80	3
7-25	9600		9600	9600			9600		9600	85	1
8-1					38000					4	0.0
8-15	24000				24000				24000	4	23
8-22		9400			9400		9400			18	3
9-12			16200				16200			18	41
10-10					20000					4	0.1
10-31			9500				9500			25	183
11-20		26500			26500			26500		28	7
12-13			62000					62000		8	0.0
12-19		43000						43000		8	0.0
12-27					27000					3	0.0

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 478 — Basin: Red River

Location: Red River near Brice, Texas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-3-62					60000					3	0.1
1-16					62000					3	0.1
1-24					57000					3	0.1
1-30		30000			30000				30000	60	3
2-6			50000				50000			8	0.2
2-13					11000					2	0.1
2-27					8000					3	0.0
3-6					6800					3	0.0
4-10					7800					3	0.0
4-17					6800					2	0.0
5-1					70000					3	0.1
6-5		6300						6300		50	96
6-12	6800		6800		6800			6800	6800	250	107
6-19	6800				6800				6800	100	2365

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 478
Location: Red River near Brice, Texas

Basin: Red River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-26-62	5500					5500			5500	50	374
7-3					24000					8	1
7-10	7700				7700				7700	45	193
7-17					9000					-	1
7-24	6200				6200				6200	170	1355
7-31	3200						3200			150	712
8-7	8800			8800			8800		8800	60	11
8-14		15000			15000			15000		17	1
9-6					14000					4	0.0
9-17		6400								3	0.1

Continuous recorder location conductance underlined.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 529
Location: Red River near Index, Arkansas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
11-4-59	1475	400	145	4-19-60	1030	176	126
11-18	1600	375	180	4-26	1100	211	145
12-3	1215	250	120	5-3	1200	225	140
12-9	1080	225	140	5-10	325	39	44
12-16	910	185	85	5-17	500	63	55
12-23	590	110	63	5-24	250	24	29
12-29	1150	237	113	5-31	460	60	60
1-5-60	1070	190	160	6-7	900	154	135
1-14	550	78	59	6-15	840	121	90
1-19	580	91	74	6-21	1080	179	140
1-25	1120	176	124	6-28	1190	201	145
2-4	1260	216	148	7-6	1100	195	150
2-10	690	111	84	7-13	1318	299	200
2-16	1200	228	152	7-20	1421	304	220
2-23	800	140	108	7-27	815	167	118
3-2	860	155	114	8-3	806	165	118
3-8	800	141	102	8-10	1428	324	240
3-15	1050	189	120	8-17	1630	301	225
3-22	700	127	96	8-24	1550	292	190
3-29	620	92	72	8-30	900	155	97
4-6	1000	165	116	9-6	940	177	117
4-11	1300	204	152	9-12	1590	306	180

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 529
Location: Red River near Index, Arkansas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-20-60	1500	286	150	2-21-61	1071	199	147
9-27	1560	325	195	2-28	766	444	286
10-5	451	55	42	3-7	1224	234	160
10-12	788	130	106	3-14	816	143	110
10-19	1755	329	245	3-21	714	106	82
10-26	1910	407	285	4-4	454	62	60
11-1	1711	337	250	4-11	1280	241	186
11-9	1806	349	265	4-18	1460	278	200
11-15	1840	354	245	4-25	1432	262	175
11-22	1850	364	280	5-2	1377	240	155
11-29	1952	352	245	5-9	359	51	46
12-7	1303	241	176	5-16	750	120	96
12-13	322	40	44	5-23	1500	283	195
12-20	1460	260	200	5-30	879	136	98
12-29	1504	269	205	6-6	714	99	64
1-4-61	642	97	80	6-13	896	158	112
1-10	1114	206	163	6-20	1603	315	225
1-17	1601	310	205	6-27	1148	209	153
1-24	1800	347	240	7-4	1824	362	250
1-31	1813	358	245	7-11	1822	357	245
2-8	1523	267	190	7-18	579	94	78
2-14	650	96	78	7-25	1164	229	163

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 529
Location: Red River near Index, Arkansas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-2-61	1434	285	195	11-22-61	1519	295	175
8-8	1952	400	280	11-25	514	67	53
8-15	1991	396	275	11-29	696	109	84
8-23	1004	184	118	12-6	1772	348	228
8-29	1386	262	155	12-14	470	66	65
9-7	2027	420	250	12-16	550	81	62
9-13	1358	251	155	12-20	724	119	70
9-20	1435	287	180	12-28	1330	249	139
9-23	1751	74	210	1-3-62	1532	290	180
9-27	1866	358	255	1-10	1348	239	130
9-30	2041	411	250	1-17	1279	239	167
10-3	1996	400	260	1-20	538	79	60
10-7	633	103	70	1-25	937	175	102
10-11	1000	180	114	1-27	516	72	65
10-14	1665	326	195	1-31	418	52	55
10-18	1404	280	190	2-7	1170	201	147
10-21	1857	385	250	2-14	846	106	76
10-25	1948	412	280	2-20	1177	190	127
11-1	1980	407	250	2-28	413	43	40
11-4	1951	370	195	3-3	350	33	36
11-8	1210	219	117	3-7	773	116	84
11-15	1700	352	180	3-14	687	107	75

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 529
Location: Red River near Index, Arkansas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
3-21-62	1285	224	140	7-18-62	1795	304	245
3-28	577	74	60	7-24	1600	322	210
3-31	280	23	32	7-31	1700	332	245
4-4	317	30	40	8-8	1220	113	163
4-7	295	29	35	8-14	1760	363	245
4-11	737	115	92	8-23	1684	328	240
4-18	1100	186	140	8-28	1739	345	250
4-25	989	164	127	9-6	1490	299	200
4-28	275	25	33	9-11	485	58	55
5-2	288	25	34				
5-5	340	32	34				
5-9	1088	181	140				
5-16	1416	244	180				
5-24	1020	141	107				
5-30	1310	205	150				
6-6	271	20	37				
6-9	253	18	29				
6-13	1040	191	147				
6-21	1900	388	275				
6-26	1765	350	250				
7-5	920	145	126				
7-10	1755	334	250				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 527
Location: Red River near Arthur City, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-15-59	1350	290	-	4-26-60	1180	211	146
12-2	1300	265	130	5-3	790	114	70
12-8	1380	285	150	5-10	240	26	29
12-15	1240	255	125	5-17	1150	166	100
12-22	1030	240	103	5-24	150	15	22
12-28	1300	285	135	5-31	1100	196	160
1-4-60	1380	245	175	6-7	800	121	121
1-13	1080	170	130	6-15	980	169	110
1-18	780	121	105	6-21	1500	273	214
1-25	1500	246	180	6-28	1500	266	200
2-4	1350	258	170	7-6	1380	241	165
2-9	1120	208	140	7-12	1480	293	190
2-15	1480	283	160	7-20	1300	244	180
2-23	1240	227	160	7-27	420	58	80
3-1	1150	212	145	8-3	1300	238	175
3-7	1280	244	170	8-10	1300	294	190
3-14	1380	256	180	8-17	1400	263	190
3-22	1100	192	136	8-24	800	119	95
3-29	430	53	34	8-30	1400	258	175
4-6	1500	241	164	9-7	1600	286	180
4-11	1350	219	144	9-13	1650	326	195
4-19	1150	186	124	9-20	1850	398	230

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 527
Location: Red River near Arthur City, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-27-60	1250	237	145	2-15-61	1160	190	137
10-5	880	158	110	2-21	650	97	84
10-12	1140	187	140	2-28	1240	218	163
10-18	1290	228	160	3-7	1400	265	186
10-26	1940	399	295	3-14	1260	232	167
11-1	1980	400	295	3-21	770	111	98
11-3	1630	400	185	3-28	920	140	117
11-8	2000	390	295	4-4	1150	208	160
11-15	2050	398	285	4-11	1960	385	295
11-18	1750	420	230	4-18	1570	304	260
11-22	1710	321	225	4-25	1670	324	220
11-29	1830	331	230	5-2	1100	180	135
12-7	1060	185	133	5-9	570	87	75
12-13	800	133	110	5-16	1550	294	220
12-20	1900	353	285	5-23	1800	360	255
12-28	1870	371	265	5-31	630	89	76
1-4-61	970	164	120	6-6	1150	212	150
1-10	1080	185	153	6-13	1300	248	170
1-17	1810	363	250	6-20	1780	359	245
1-24	1900	371	250	6-27	1500	296	200
1-31	1850	366	250	7-4	1780	352	240
2-7	1210	198	150	7-11	1630	326	220

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 527
Location: Red River near Arthur City, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-18-61	950	170	120	11-7-61	1530	287	178
7-25	880	161	110	11-10	1920	385	210
8-1	1730	347	245	11-14	1840	355	223
8-8	1840	376	265	11-17	2170	437	240
8-15	1510	292	195	11-21	1630	295	160
8-22	1540	299	203	11-24	850	139	90
8-29	1970	407	250	11-28	1140	192	137
9-6	1770	345	210	12-1	2270	490	220
9-8	2160	439	285	12-5	1720	326	225
9-13	1740	359	225	12-14	1070	192	153
9-19	1620	320	205	12-19	990	156	77
9-22	2130	440	255	12-27	1450	257	165
9-26	1900	416	240	12-29	2020	393	245
9-29	2310	471	310	1-2-62	1620	290	160
10-3	1020	168	113	1-5	1990	388	245
10-10	1770	370	245	1-10	1850	345	200
10-17	2080	440	280	1-12	830	131	88
10-21	2130	450	300	1-16	1040	176	117
10-24	1790	370	240	1-24	970	171	117
10-27	2090	435	285	1-27	980	84	127
10-31	1850	382	240	1-30	1250	228	175
11-3	2090	410	250	2-6	1450	250	175

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 527
Location: Red River near Arthur City, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-13-62	1500	242	170	7-3-62	1480	286	205
2-20	1220	186	87	7-10	1620	306	210
2-27	690	84	80	7-17	1590	296	210
3-6	1100	176	127	7-23	1690	326	230
3-13	1200	205	130	7-31	1530	300	210
3-20	1280	226	145	8-7	1440	272	185
3-28	610	70	64	8-13	1630	162	225
4-3	390	37	46	8-19	1680	345	240
4-10	730	105	88	8-27	1630	316	220
4-17	1450	266	190	9-5	1100	200	140
4-24	680	92	74	9-11	370	35	38
4-27	480	54	60				
5-1	540	70	64				
5-8	1150	181	135				
5-15	1390	232	165				
5-22	1470	255	190				
5-29	1340	231	165				
6-1	310	30	29				
6-5	260	18	30				
6-12	1670	328	240				
6-19	1860	375	265				
6-26	1660	328	230				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 526
Location: Clear Boggy Creek near Caney, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-15-29	340	65	-	4-10-60	850	84	40
11-2	1470	350	73	4-18	730	71	50
11-17	1000	135	40	4-25	750	80	19
12-2	1020	170	34	5-2	400	42	30
12-8	980	170	32	5-9	420	27	26
12-15	670	100	24	5-16	830	74	44
12-22	500	40	23	5-25	600	52	30
12-28	300	31	18	6-1	890	118	40
1-4-60	650	62	37	6-8	820	107	30
1-13	220	11	12	6-16	980	140	29
1-18	520	34	31	6-20	1000	160	35
1-25	850	70	37	6-29	1200	213	28
2-3	780	72	40	7-5	1150	207	28
2-9	530	40	33	7-12	460	49	30
2-15	720	64	32	7-19	800	140	30
2-23	700	70	40	7-26	240	26	41
3-1	530	57	35	8-2	600	63	32
3-7	600	57	32	8-9	1010	192	26
3-14	700	70	44	8-16	860	139	20
3-22	700	72	45	8-23	510	85	17
3-28	450	31	30	8-29	500	78	15
4-5	800	68	44	9-7	640	80	13

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 526
Location: Clear Boggy Creek near Caney, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-13-60	740	99	15	2-14-61	600	62	36
9-19	870	137	16	2-20	510	45	34
9-27	220	24	19	2-27	660	63	40
10-4	410	43	20	3-6	660	65	41
10-11	440	30	28	3-13	650	57	41
10-18	335	28	19	3-20	860	142	41
10-25	480	35	30	3-27	430	47	30
11-1	410	22	27	4-3	620	103	31
11-8	650	51	29	4-10	700	65	38
11-15	820	79	29	4-17	610	46	39
11-22	860	102	27	4-24	710	68	37
11-28	930	112	27	5-1	750	84	38
12-6	790	106	26	5-8	470	49	35
12-13	230	12	22	5-15	640	55	40
12-20	700	56	35	5-22	360	32	29
12-28	870	113	35	5-29	410	40	28
1-4-61	470	37	26	6-7	690	81	27
1-10	680	62	37				
1-17	780	81	32				
1-23	1010	147	35				
1-30	840	101	30				
2-7	680	67	37				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 522
Location: Red River near Colbert, Oklahoma (Denison Dam)
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
11-3-59	1850	425	250	4-18-60	1550	289	200
11-17	1800	425	270	4-25	1500	298	210
12-3	1625	375	285	5-2	1500	295	205
12-9	1650	375	230	5-9	1500	290	205
12-16	1575	350	180	5-16	1600	283	195
12-23	1600	370	188	5-23	1650	278	205
12-29	1600	370	180	5-30	1600	269	225
1-5-60	1750	330	250	6-6	1500	269	205
1-14	1700	298	190	6-14	1650	290	198
1-19	1550	290	225	6-20	1650	298	220
1-26	1650	280	200	6-29	1700	299	220
2-5	1550	305	175	7-7	1660	321	220
2-10	1600	300	212	7-12	1524	333	240
2-16	1500	293	170	7-19	1591	363	250
2-24	1340	292	198	7-27	1620	370	255
3-2	1450	308	205	8-2	1610	371	275
3-8	1475	306	200	8-9	1638	392	280
3-15	1550	332	210	8-16	1900	371	265
3-21	1530	316	200	8-23	1950	401	264
3-28	1150	320	184	8-29	2000	379	236
4-5	1600	298	208	9-7	1700	390	240
4-10	1600	295	216	9-13	1930	388	230

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 522
Location: Red River near Colbert, Oklahoma (Denison Dam)
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-20-60	2380	413	230	2-22-61	2071	427	295
9-26	2000	413	265	3-1	2075	444	286
10-4	1955	416	265	3-6	2091	447	300
10-11	1992	396	285	3-15	2039	439	310
10-18	2014	391	280	3-22	1983	428	286
10-25	2000	412	300	4-5	2109	429	330
11-1	2070	424	310	4-10	2160	430	300
11-8	2097	416	310	4-17	2150	440	320
11-15	2155	432	310	4-24	2142	458	278
11-22	2050	416	295	5-1	2165	453	300
11-29	2142	403	310	5-10	2122	453	330
12-6	1953	407	295	5-17	2189	445	320
12-13	2090	409	300	5-24	2180	444	300
12-20	2170	409	285	5-31	2205	450	314
12-28	2086	412	300	6-5	2118	444	286
1-4-61	2060	404	285	6-12	2130	439	300
1-9	2225	457	343	6-21	2150	445	320
1-17	2295	470	321	6-26	2158	455	320
1-25	2068	419	295	7-5	2153	450	310
2-1	2020	414	300	7-11	2158	450	310
2-9	1976	398	285	7-18	2179	448	320
2-16	2160	460	285	7-26	2134	447	310

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 522
Location: Red River near Colbert, Oklahoma (Denison Dam)
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-1-61	2146	449	320	1-17-62	2034	415	270
8-9	2169	451	310	1-26	2043	410	250
8-16	2170	447	350	1-31	2040	405	278
8-22	2166	458	305	2-6	2120	407	286
8-28	2198	466	300	2-14	2131	398	278
9-6	2187	457	300	2-21	2131	398	264
9-12	2205	462	330	2-27	2080	398	293
9-19	2223	487	310	3-6	2020	393	257
10-3	2252	469	310	3-14	1919	394	230
10-17	2246	473	300	3-20	1897	389	255
10-21	2193	470	320	3-27	2040	385	257
10-24	2160	462	330	4-3	2000	380	278
11-8	2280	461	325	4-10	1920	384	286
11-14	2260	458	300	4-17	1940	385	293
11-21	2332	474	250	4-24	1990	380	271
11-28	2385	461	300	5-1	1940	383	264
12-5	2309	438	275	5-8	1960	386	286
12-13	2122	443	380	5-15	1970	385	271
12-20	2210	438	260	5-22	1940	378	271
12-27	2190	440	260	5-29	1920	374	271
1-3-62	2160	433	260	6-5	1900	374	271
1-9	2107	425	250	6-12	1860	370	264

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 522
Location: Red River near Colbert, Oklahoma (Denison Dam)
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-19-62	1900	380	278				
6-26	1900	378	257				
7-3	1935	383	271				
7-10	2010	395	293				
7-17	1880	338	265				
7-23	1840	360	250				
7-30	1780	355	255				
8-7	1745	175	250				
8-13	1720	172	230				
8-21	1721	352	250				
8-27	1720	364	240				
9-4	1890	381	250				
9-11	1700	344	228				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No. 520
Location: Washita River near Durwood, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-14-59	700	50	-	4-10-60	1600	68	480
11-2	1500	225	370	4-18	1330	85	360
11-17	1550	100	455	4-25	1400	89	480
12-2	1500	125	475	5-2	1000	57	280
12-8	1425	115	470	5-9	660	44	150
12-15	1330	100	370	5-18	1300	85	375
12-22	1080	60	290	5-25	740	41	170
12-28	550	45	60	6-1	1200	169	283
1-4-60	1400	75	390	6-6	1300	83	417
1-13	430	32	33	6-16	1260	53	380
1-18	1050	57	190	6-22	1120	63	350
1-25	1300	72	285	6-29	1200	70	390
2-3	800	197	158	7-7	550	40	130
2-9	1060	66	320	7-12	816	64	220
2-15	1050	53	220	7-19	1244	92	464
2-23	1300	75	384	7-26	780	52	265
3-1	1300	85	375	8-2	614	48	155
3-7	1490	97	375	8-8	906	54	330
3-14	1500	89	440	8-15	1010	64	295
3-23	1440	87	440	8-22	360	26	48
3-28	1550	66	275	8-29	525	33	110
4-5	1550	88	472	9-7	980	67	300

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 520
Location: Washita River near Durwood, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-13-60	1190	89	325	2-13-61	1430	102	390
9-19	1210	85	365	2-20	1360	91	400
9-28	434	44	41	2-27	1312	104	370
10-3	956	76	230	3-6	1391	104	400
10-11	1183	91	350	3-13	1500	107	390
10-18	911	31	295	3-20	1142	113	236
10-25	468	17	123	3-27	927	99	130
10-30	678	19	150	4-5	880	67	179
11-8	1072	55	310	4-12	1063	82	220
11-14	1299	65	364	4-19	1230	105	310
11-21	1400	77	450	4-26	1277	114	340
11-28	1440	81	440	5-3	1343	118	350
12-6	1273	79	357	5-10	900	84	200
12-12	486	28	83	5-17	1485	128	490
12-19	1240	79	320	5-24	720	47	190
12-27	1483	97	400	5-31	946	67	185
1-5-61	1159	70	250	6-7	704	58	150
1-9	1404	88	420	6-14	584	28	150
1-16	1438	105	400	6-21	728	41	200
1-23	1535	94	410	6-28	937	67	220
1-30	1550	104	410	7-4	694	45	140
2-7	1450	104	360	7-11	881	58	225

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 520
Location: Washita River near Durwood, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-18-61	511	31	100	9-23-61	674	40	140
7-26	540	27	150	9-24	721	44	163
7-31	736	43	130	9-25	742	44	160
8-9	979	76	185	9-26	766	44	170
8-16	1099	96	314	9-29	577	22	133
8-22	492	27	81	9-30	634	23	173
8-28	637	40	123	10-1	712	33	197
9-6	818	68	190	10-2	500	22	97
9-7	581	33	113	10-4	560	30	107
9-8	612	39	126	10-5	682	41	130
9-9	597	35	123	10-6	733	41	163
9-10	653	39	133	10-10	332	15	56
9-11	775	46	186	10-12	687	34	113
9-12	834	59	206	10-13	727	36	133
9-14	457	19	61	10-15	797	31	220
9-15	509	20	106	10-16	658	33	160
9-16	559	19	140	10-17	679	29	153
9-17	386	13	68	10-23	860	49	223
9-18	383	16	60	10-25	898	49	225
9-19	403	17	85	10-31	1203	75	300
9-21	537	28	97	11-5	600	26	147
9-22	623	35	120	11-7	777	18	233

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 520
Location: Washita River near Durwood, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
11-9-61	680	33	143	1-22-62	1567	101	400
11-10	716	20	150	1-24	1300	82	300
11-11	750	28	183	1-25	1550	108	350
11-14	1040	49	225	1-26	1453	86	410
11-21	1448	70	380	1-30	1566	93	460
11-23	625	32	113	2-1	1600	90	440
11-24	675	36	110	2-2	1610	93	450
11-25	840	47	147	2-3	1620	88	480
11-28	1229	59	255	2-4	1620	90	490
12-5	1353	81	350	2-5	1620	90	460
12-13	1310	79	400	2-6	1630	92	480
12-17	783	53	93	2-8	1516	91	420
12-19	1070	55	190	2-9	1510	90	450
12-23	1291	70	278	2-10	1554	97	460
12-27	1620	80	330	2-11	1454	92	320
1-3-62	1477	90	370	2-12	1655	89	380
1-5	1496	86	360	2-13	1487	92	410
1-9	1527	89	390	2-15	1654	95	490
1-16	1512	86	350	2-16	1654	94	530
1-16	1533	89	390	2-17	1654	97	460
1-18	1617	88	370	2-18	1664	96	490
1-20	1650	99	440	2-20	1618	88	480

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 520
Location: Washita River near Durwood, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-26-62	1455	94	390	4-30-62	980	56	230
2-28	1624	98	450	5-4	1590	81	630
3-2	1665	103	490	5-7	1040	62	275
3-3	1570	98	410	5-14	1375	89	410
3-5	1514	100	400	5-17	1542	105	570
3-7	1600	105	450	5-21	1398	104	450
3-8	1600	103	450	5-28	876	110	135
3-9	1640	103	480	6-2	341	20	52
3-10	1600	99	480	6-5	503	29	100
3-11	1520	100	450	6-11	476	22	97
3-12	1610	104	480	6-19	490	22	100
3-13	1520	106	500	6-25	795	48	183
3-14	1630	102	380	7-3	1085	69	314
3-15	1693	111	470	7-9	1145	66	328
3-16	1519	99	460	7-17	888	51	310
3-18	1555	98	410	7-24	1160	93	314
3-19	1520	99	410	7-30	1400	105	450
3-26	1274	85	364	8-6	785	56	153
4-2	1370	88	380	8-14	980	44	315
4-9	1330	94	360	8-21	1270	66	450
4-16	1110	69	321	8-28	1262	91	443
4-23	1380	84	410	9-4	1390	103	420

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 520
Location: Washita River near Durwood, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-10-62	1234	113	370				
9-17	1510	101	530				
9-24	472	16	120				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 508
Location: Red River near Gainesville, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-16-59	1500	400	-	4-12-60	4250	900	570
11-2	3875	975	400	4-20	4400	1147	425
11-19	3400	775	380	4-27	4800	1142	650
12-3	3700	1075	455	5-4	4000	1037	575
12-9	3800	1150	410	5-11	1850	451	250
12-16	2700	750	250	5-16	3900	883	550
12-23	2000	482	180	5-23	3300	778	333
12-29	2000	760	300	5-30	4500	1027	525
1-5-60	5200	1200	550	6-6	2700	614	367
1-14	1500	295	122	6-14	3200	653	485
1-19	3800	915	370	6-20	4600	1142	750
1-26	5000	988	480	6-27	5200	1264	775
2-5	3400	1385	320	7-5	7000	1900	875
2-10	2400	510	336	7-14	5171	1535	800
2-16	3300	763	480	7-21	4060	1172	566
2-24	4000	910	560	7-28	3705	1066	516
3-2	3500	908	560	8-4	2630	662	600
3-8	3700	900	490	8-9	3350	984	600
3-16	5000	1320	675	8-16	2650	619	433
3-21	3800	830	570	8-23	6500	3226	825
3-30	2300	515	245	8-31	5000	1224	675
4-7	5000	1200	735	9-6	4700	2160	700

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 508
Location: Red River near Gainesville, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-12-60	4790	1300	625	2-16-61	5520	1416	583
9-21	4460	1234	400	2-22	5858	1415	750
9-28	3080	749	350	3-1	5400	1333	700
10-4	2995	754	310	3-8	6120	1606	816
10-13	3838	934	480	3-15	5742	1616	800
10-20	1478	275	206	3-22	2563	629	340
10-27	1460	288	240	3-30	3180	715	410
11-2	2623	567	400	4-3	1570	328	190
11-10	4830	1123	633	4-10	4040	925	633
11-16	5428	1258	766	4-17	4109	970	616
11-23	5110	1247	683	4-24	4471	1070	650
11-30	5950	1356	750	5-1	4712	1160	617
12-8	4922	1222	683	5-8	1867	428	245
12-14	1420	288	145	5-15	2633	623	300
12-21	7090	1770	875	5-22	2000	423	295
12-29	5432	1414	800	5-29	5274	1290	683
1-3-61	5371	1323	600	6-5	2707	657	320
1-11	5484	1197	584	6-12	2040	412	325
1-18	5700	1440	700	6-19	1843	348	325
1-25	7005	1790	883	6-26	2990	660	460
2-1	5916	1502	733	7-3	6130	1613	850
2-9	5964	1440	700	7-12	4396	1110	616

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 508
Location: Red River near Gainesville, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-17-61	8352	2250	1225	11-27-61	1675	336	135
7-24	5308	1300	883	11-23	1765	356	175
7-31	3293	752	450	11-25	1527	311	150
8-7	4469	1096	600	12-4	4290	1061	500
8-14	4950	1264	650	12-13	2538	565	214
8-21	4152	1063	566	12-18	2840	655	215
8-28	4598	1135	583	12-22	3580	855	300
9-5	4352	1086	533	12-24	3798	915	230
9-11	2871	679	350	12-26	5020	1210	491
9-15	2683	669	333	1-2-62	4888	1200	516
9-18	724	123	67	1-8	4913	1095	516
9-21	1550	320	170	1-15	3990	990	367
9-25	1661	348	160	1-23	4793	1140	550
10-2	3885	950	500	1-29	4326	1020	500
10-10	1920	456	190	2-5	4270	919	583
10-16	2621	605	271	2-12	4396	1085	400
10-25	2882	675	300	2-19	4107	930	466
10-28	3219	780	345	2-26	3492	838	383
10-30	3735	950	400	3-5	3810	850	500
11-7	2364	587	264	3-8	3730	910	466
11-13	2880	655	310	3-13	4950	1200	633
11-20	2734	590	286	3-19	5435	1360	467

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 508
Location: Red River near Gainesville, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
3-26-62	4880	1210	633	7-9-62	3420	770	440
4-2	4160	1000	483	7-16	2660	610	350
4-9	4080	1005	466	7-23	3340	790	380
4-16	4815	1210	516	7-30	4080	990	583
4-19	5750	1438	665	8-6	5480	1350	766
4-21	7040	1813	800	8-13	2930	611	510
4-23	6600	1713	700	8-20	2920	669	420
4-30	2440	565	243	8-27	4114	1009	583
5-7	4410	1010	650	9-4	1760	386	195
5-14	3625	790	510	9-10	1000	202	93
5-19	4485	1090	666	9-17	1880	415	205
5-21	4870	1210	650	9-24	2686	587	420
5-28	3170	755	370				
5-31	1212	246	175				
6-2	1006	200	107				
6-4	1270	263	145				
6-7	880	148	117				
6-9	1350	266	150				
6-11	1210	225	180				
6-18	1120	180	167				
6-25	3645	813	550				
7-2	1390	285	175				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 507
Location: Red River near Terral, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-1-59	1900	550	-	2-17-60	2950	850	405
9-8	2000	740	-	2-25	4200	950	600
9-15	3500	950	-	2-29	3500	840	560
9-22	3800	1250	-	3-9	5250	1290	620
10-6	680	155	-	3-16	4100	980	680
10-16	2500	750	-	3-21	4250	1020	620
10-20	3280	1150	-	3-30	4300	1030	580
10-26	4200	1175	181	4-7	4000	873	600
11-9	2000	575	170	4-12	4000	920	600
11-19	4000	1000	365	4-20	4000	1000	500
11-23	4000	1000	470	4-28	4500	1018	575
12-4	4000	1125	550	5-4	4600	1142	625
12-9	4000	1200	540	5-11	3400	830	450
12-17	1800	575	130	5-16	3900	874	425
12-24	2700	687	290	5-23	1090	204	190
12-30	3750	975	365	5-30	4700	1181	500
1-6-60	6000	1325	610	6-6	4050	989	500
1-11	5000	1250	540	6-14	4650	1066	675
1-20	4300	1063	500	6-20	4500	950	633
1-26	5800	1213	540	6-27	7000	1734	925
2-5	1700	330	180	7-5	7900	2043	1000
2-11	2950	853	530	7-14	4900	1257	683

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 507
Location: Red River near Terral, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-21-60	4900	1268	650	12-21-60	6320	1514	383
7-28	2800	652	600	12-29	6670	1626	883
8-4-60	3800	917	700	1-3-61	3970	889	466
8-11	2500	610	375	1-11	6220	1535	834
8-18	5400	1363	883	1-18	7050	1755	833
8-25	5000	1238	667	1-25	6210	1515	800
8-31	5700	1450	750	2-1	6180	1581	800
9-6	4520	1360	616	2-9	6000	1525	666
9-12	4840	1320	633	2-16	6830	1713	875
9-21	4840	1224	600	2-22	5810	1465	733
9 28	3000	723	310	3-1	7140	1909	900
10-6	4580	1222	533	3-8	6250	1606	833
10-13	5430	1374	666	3-15	6040	1596	766
10-20	1740	321	264	3-22	2900	693	400
10-27	2100	438	350	3-30	4500	1049	600
11-2	4120	998	663	4-3	2390	523	300
11-10	5290	1269	750	4-10	4270	965	683
11-16	5450	1196	800	4-17	4340	1015	683
11-23	6370	1564	916	4-24	4830	1170	683
11-30	6230	1485	833	5-1	3320	800	420
12-8	4320	1030	600	5-8	3960	1130	300
12-14	2170	474	240	5-15	3720	855	500

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 507
Location: Red River near Terral, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-23-61	2400	543	300	10-10-61	3600	988	333
5-29	4470	1033	683	10-12	1900	428	220
6-5	4000	970	516	10-16	1780	373	200
6-12	1990	369	350	10-19	2400	568	280
6-19	1840	319	350	10-26	4000	1000	466
6-26	2400	493	380	10-30	4480	1190	500
7-3	2850	633	400	11-6	2210	482	270
7-10	5110	1280	700	11-13	3520	755	410
7-17	5950	1450	883	11-20	3880	870	500
7-24	2000	432	300	11-25	2150	470	210
7-31	3850	897	620	11-26	2040	444	220
8-7	4820	1203	650	11-27	3560	818	350
8-14	4480	1083	583	12-4	4880	1222	566
8-21	1960	424	280	12-13	4140	960	466
8-28	3790	931	480	12-18	4040	970	400
9-5	2930	664	350	12-22	4890	1190	500
9-11	3280	788	370	12-24	4670	1110	550
9-14	1120	213	170	12-26	5560	1340	558
9-18	1870	410	260	1-2-62	5180	1250	533
9-21	1600	335	200	1-8	5290	1190	550
9-25	2840	641	310	1-15	4520	1060	566
10-2	2290	485	290	1-23	5870	1490	700

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 507
Location: Red River near Terral, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-29-62	5780	1414	733	5-26-62	6530	1625	900
1-31	5840	1405	766	5-28	4330	1018	650
2-5	5130	1212	583	5-30	820	133	170
2-12	4020	950	500	5-31	1560	319	220
2-19	3800	820	466	6-4	990	188	170
2-26	3690	848	433	6-6	1200	233	140
3-5	4020	910	550	6-8	1740	343	310
3-12	5510	1360	683	6-10	1470	270	228
3-19	5540	1370	600	6-11	900	151	125
3-26	4690	1140	566	6-18	2690	510	570
4-2	5360	1330	616	6-25	3650	785	600
4-9	4200	1050	466	7-2	1650	348	210
4-16	7550	2000	875	7-9	4840	1160	600
4-18	7420	1935	875	7-16	4840	1180	500
4-19	7000	1800	875	7-23	2360	523	280
4-23	5710	1380	700	7-30	3120	733	400
4-27	1710	360	200	8-6	3970	880	633
4-30	3400	750	500	8-13	2930	621	480
5-6	1110	198	180	8-20	3980	951	600
5-7	1800	351	260	8-27	4580	1106	666
5-14	4750	1140	650	9-4	1800	422	240
5-21	5310	1360	683	9-10	1430	310	164

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 507
Location: Red River near Terral, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-17-62	3340	781	410				
9-24	2410	468	400				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 704
Location: Little Wichita River near Henrietta, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-1-59	1600	600	-	2-11-60	440	92	28
9-8	525	152	-	2-17	480	96	14
9-15	740	190	-	2-25	500	99	13
9-22	800	230	-	2-29	500	102	19
10-6	265	65	-	3-9	540	106	17
10-16	430	100	-	3-16	520	106	13
10-20	425	70	-	3-21	500	104	15
10-26	470	90	13	3-30	680	149	13
11-4	495	110	-	4-7	2700	758	28
11-9	695	170	10	4-12	2750	845	22
11-19	1250	400	16	4-20	2600	794	20
11-23	1180	320	10	4-28	2600	682	13
12-4	1150	310	10	5-4	2250	691	19
12-10	1110	530	10	5-11	2200	648	17
12-17	640	185	13	5-16	2500	696	16
12-24	495	107	7	5-23	3400	979	24
12-30	490	110	11	5-30	1350	374	22
1-6-60	500	91	14	6-6	800	233	15
1-11	850	198	19	6-13	1800	509	19
1-20	910	220	18	6-20	1700	514	26
1-27	800	195	17	6-27	1880	518	26
2-5	400	77	17	7-5	1810	537	25

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 704
Location: Little Wichita River near Henrietta, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-14-60	243	30	42	12-14-60	387	76	16
7-21	580	152	20	12-21	470	82	28
7-28	681	190	70	12-30	437	80	23
8-4	669	192	16	1-3-61	360	59	19
8-11	757	206	17	1-11	857	222	27
8-18	860	196	20	1-18	645	137	22
8-25	950	208	17	1-25	547	117	18
8-31	925	214	16	2-1	551	107	22
9-6	840	129	13	2-9	980	247	23
9-12	992	228	14	2-16	702	152	17
9-21	993	249	14	2-22	714	160	28
9-28	850	213	20	3-1	730	165	23
10-6	686	148	21	3-8	731	169	18
10-13	672	142	21	3-15	743	168	23
10-20	389	67	5	3-22	628	149	21
10-27	470	96	14	3-30	621	123	21
11-2	570	61	21	4-3	1920	548	28
11-10	554	103	30	4-10	808	186	19
11-16	584	108	21	4-17	816	191	23
11-23	540	107	24	4-24	878	195	21
11-30	590	102	20	5-1	474	87	21
12-8	264	37	11	5-8	341	47	20

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 704
Location: Little Wichita River near Henrietta, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-15-61	1118	264	20	9-29-61	419	67	25
5-22	1130	55[illegible]	17	10-2	389	62	24
5-29	3152	935	26	10-5	317	42	18
6-5	4680	1566	30	10-9	1881	560	18
6-12	7200	2414	48	10-12	245	35	23
6-19	671	166	22	10-16	466	87	19
6-26	123	14	11	10-20	475	95	21
7-3	694	156	20	10-26	460	90	23
7-10	723	163	19	10-30	510	95	20
7-17	643	135	17	11-3	298	37	20
7-24	1565	445	15	11-6	4473	1430	21
7-31	1103	266	17	11-9	1881	528	15
8-7	1197	1096	600	11-13	2865	895	15
8-14	1208	303	15	11-16	488	69	21
8-21	253	34	20	11-20	1489	388	14
8-28	419	70	17	11-23	236	31	30
9-5	455	161	22	11-27	529	105	19
9-11	543	113	18	12-4	456	87	22
9-15	507	76	20	12-12	390	74	14
9-18	399	63	22	12-18	525	111	19
9-22	384	65	20	12-21	824	205	16
9-25	393	66	25	12-26	1020	262	16

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 704
Location: Little Wichita River near Henrietta, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-28-61	1118	301	16	3-19-62	1715	470	16
12-31	1256	341	16	3-23	1607	444	17
1-2-62	1622	444	14	3-26	1607	440	17
1-6	1806	503	17	4-1	2100	588	21
1-8	1736	488	15	4-2	2140	580	22
1-13	1534	424	16	4-9	910	225	20
1-15	672	178	14	4-15	2350	696	17
1-23	1427	388	17	4-16	2350	688	17
1-25	1285	354	18	4-21	2290	645	17
1-29	1627	455	32	4-23	2320	640	20
2-2	1630	438	17	4-28	328	58	24
2-5	1610	430	18	4-30	1140	300	26
2-12	1532	550	15	5-5	1270	331	20
2-16	1720	440	17	5-7	1230	320	19
2-19	1698	438	17	5-12	1335	336	18
2-22	1498	433	15	5-14	1334	338	19
2-26	1602	448	16	5-19	1310	344	18
3-2	1740	456	17	5-21	1324	346	19
3-5	1710	462	18	5-26	1340	358	17
3-9	1690	470	18	5-28	1350	358	20
3-12	1740	469	18	6-4	497	106	28
3-16	1673	473	13	6-11	323	55	63

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 704
Location: Little Wichita River near Henrietta, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-18-62	501	93	19				
6-25	920	213	20				
7-2	720	161	16				
7-9	725	158	18				
7-16	733	160	18				
7-23	2340	735	25				
7-30	430	71	17				
8-6	552	113	20				
8-13	665	128	18				
8-20	700	145	20				
8-27	740	148	17				
9-4	800	194	17				
9-10	235	34	20				
9-17	370	58	24				
9-24	877	218	21				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 700
Location: Beaver Creek near Waurika, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-29-59	400	50	-	3-28-60	1550	144	296
10-6	260	35	-	4-5	1600	165	296
10-27	1160	165	470	4-10	1600	165	288
11-9	1030	95	140	4-18	1600	165	310
11-23	1730	145	285	4-25	1600	175	300
12-4	1440	155	285	5-2	1600	194	280
12-9	1400	155	310	5-9	860	61	176
12-17	550	85	40	5-18	1500	142	265
12-24	1400	175	185	5-25	1300	144	210
12-30	1000	105	120	6-1	1600	167	550
1-6-60	1850	194	280	6-9	900	78	175
1-11	1600	160	245	6-15	1200	69	275
1-20	1320	239	220	6-22	1400	140	229
1-26	1950	200	252	6-30	1430	120	279
2-5	640	37	100	7-7	340	39	40
2-11	1620	194	265	7-11	830	137	95
2-17	1750	223	264	7-18	1560	313	180
2-25	1750	201	284	7-25	680	99	88
2-29	1500	166	256	8-1	1200	155	150
3-9	1700	180	264	8-8	1550	228	220
3-14	1600	165	264	8-15	900	108	120
3-23	1550	191	296	8-22	610	42	114

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 700
Location: Beaver Creek near Waurika, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-29-60	730	39	130	1-30-61	1450	122	280
9-8	920	61	40	2-6	1350	118	240
9-14	1130	97	170	2-13	1230	108	210
9-19	1200	108	155	2-20	1410	153	275
9-28	290	22	35	2-27	1370	140	265
10-3	1040	212	53	3-6	1410	152	275
10-10	410	25	48	3-13	1360	146	280
10-17	380	19	15	3-20	630	52	110
10-24	430	21	78	3-27	1230	191	140
10-31	660	34	130	4-5	1400	185	175
11-7	800	38	180	4-12	1100	122	170
11-14	1170	48	250	4-19	1730	244	290
11-21	1250	59	280	4-26	1750	255	260
11-28	1340	73	265	5-3	1660	244	260
12-5	1210	58	265	5-10	1570	168	270
12-12	590	31	106	5-17	1800	263	290
12-19	1220	111	240	5-24	1350	170	240
12-27	1430	123	295	5-31	1370	106	270
1-5-61	870	57	175	6-7	380	23	62
1-9	1380	140	250				
1-16	1500	148	265				
1-23	1480	143	255				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 503
Location: Wichita River at Wichita Falls, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-4-59	2375	750	-	2-17-60	6000	1675	390
9-9	2800	1300	-	2-25	7250	2100	570
9-17	4800	1550	-	2-29	6900	2090	590
9-23	4900	1550	-	3-9	8000	2225	630
10-9	1190	350	-	3-14	7000	2088	600
10-16	2475	800	-	3-23	7000	2075	630
10-22	5100	1350	-	3-28	6200	1912	420
10-26	6100	1525	580	4-5	4000	1145	550
11-12	4950	1250	540	4-10	6400	1910	640
11-19	6100	1575	590	4-20	5300	1433	575
11-25	6000	1575	680	4-28	4500	1140	625
12-4	4950	1450	595	5-4	5000	1272	550
12-8	5050	1750	620	5-11	4300	1128	500
12-16	1800	565	80	5-18	2000	499	145
12-22	1170	280	80	5-26	4000	1190	267
12-29	5000	1537	390	6-2	1300	331	70
1-6	5500	1450	435	6-9	1920	470	145
1-11	6000	1775	434	6-16	3400	787	365
1-20	9000	2400	500	6-22	5000	1344	500
1-27	7500	1963	580	6-30	4700	1093	560
2-5	5800	1750	155	7-7	1600	406	100
2-11	6400	1813	520	7-11	3121	833	420

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 503
Location: Wichita River at Wichita Falls, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-18-60	3841	1111	516	12-19-60	5093	1231	550
7-25	3366	948	440	12-27	4558	1162	466
8-1	4270	1238	700	1-5	5047	1348	417
8-8	3927	1121	600	1-9	6343	1742	584
8-15	4166	994	550	1-16	6364	1720	533
8-22	4400	1046	500	1-23	6837	1919	583
8-29	4750	1210	483	2-1	6799	1906	583
9-8	5100	1270	500	2-6	7000	1970	583
9-14	4400	1060	533	2-13	6534	1918	383
9-19	4500	1173	466	2-20	6767	1944	567
9-28	2820	728	210	2-27	6755	2040	440
10-3	5013	1321	583	3-6	7140	2020	600
10-10	6017	1606	533	3-13	1686	399	130
10-17	1757	369	87	3-20	1903	439	250
10-24	1310	263	160	3-27	3140	754	370
10-31	4070	993	450	4-5	2990	660	440
11-7	3447	793	500	4-12	3300	735	510
11-14	3533	764	500	4-17	3640	870	500
11-21	4750	1208	500	4-24	4836	1220	550
11-28	5993	1445	550	5-1	3332	845	320
12-5	5253	1416	500	5-8	2764	760	200
12-12	1110	273	67	5-15	3600	820	550

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 503
Location: Wichita River at Wichita Falls, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-22-61	4220	1060	533	10-9-61	5995	1655	550
5-29	4070	940	560	10-16	5335	1420	516
6-5	3184	747	440	10-26	5542	1490	600
6-14	3701	884	550	10-30	5017	1310	583
6-21	2060	478	214	11-6	5133	1320	367
6-26	1344	318	100	11-9	4891	2195	466
7-3	5395	1450	583	11-13	5959	1510	500
7-12	3783	965	450	11-17	3708	990	150
7-19	4800	1210	583	11-20	4244	1040	350
7-26	1261	274	123	11-27	4530	1081	360
8-3	4566	1154	500	12-4	6000	1646	583
8-9	4255	1082	550	12-12	6136	1680	466
8-16	4578	1115	533	12-19	5810	1700	308
8-21	4574	1166	560	12-22	6230	1700	466
8-28	4742	1242	533	12-26	6830	1790	500
9-5	3110	820	250	1-2-62	6864	1855	533
9-14	1306	340	67	1-8	5943	1490	533
9-18	3875	1004	380	1-15	5964	1560	483
9-21	5481	1455	550	1-23	5824	1550	550
9-25	6390	1680	600	1-29	5712	1495	583
9-28	6200	1610	616	1-31	5964	1545	583
10-2	5995	1655	550	2-5	5880	1495	600

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 503
Location: Wichita River at Wichita Falls, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-12-62	5600	1515	616	6-25-62	4460	1150	533
2-19	5772	1420	650	7-2	4535	1160	533
2-26	6402	1620	583	7-9	5356	1360	633
3-5	6140	1580	616	7-16	4770	1200	616
3-13	5583	1515	650	7-23	4380	1070	533
3-14	7460	1900	733	7-30	3450	935	260
3-19	5638	1425	550	8-6	3650	905	330
3-26	5603	1450	633	8-13	4914	1261	600
4-2	5690	1425	616	8-20	4850	1251	541
4-4	12800	4225	475	8-28	5049	1242	650
4-9	5540	1520	400	9-3	5200	1339	550
4-16	7040	1925	650	9-10	3235	766	400
4-23	5410	1315	666	9-18	3634	985	260
4-30	3700	885	460	9-24	5330	1387	533
5-7	5390	1350	600				
5-14	5545	1420	650				
5-21	5549	1430	683				
5-28	4965	1230	616				
6-5	3059	800	280				
6-11	1530	381	91				
6-13	1500	380	87				
6-18	3550	880	300				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 751
Location: Beaver Creek of Wichita River near Electra, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/1)	Sulfates (mg/1)	Date	Sp. Cond. (μmhos)	Chlorides (mg/1)	Sulfates (mg/1)
9-4-59	1900	600	-	3-7-60	6400	2325	76
9-9	1950	825	-	3-14	3500	1260	42
9-17	2000	675	-	3-23	9000	3025	72
10-9	305	55	-	3-30	8000	2675	72
10-22	1500	450	-	4-7	8000	2680	100
10-26	1900	600	49	4-13	9000	2720	58
11-12	1320	345	33	4-19	11500	3700	76
11-25	2800	850	78	4-27	11000	4176	70
12-3	5000	1450	142	5-4	9250	2952	68
12-8	4800	1675	172	5-9	2000	538	48
12-16	1850	695	12	5-19	3900	1133	28
12-22	360	55	23	5-26	380	34	20
12-29	1150	307	17	6-2	775	148	16
1-4-60	4700	1400	38	6-9	700	152	20
1-11	6000	1925	50	6-16	1015	198	32
1-20	5000	1288	48	6-23	2200	480	100
1-25	2800	810	39	6-30	725	146	36
2-4	4300	1200	31	7-7	580	131	2
2-8	4850	1500	54	7-14	2000	513	28
2-17	2250	650	33	7-21	4250	1242	38
2-23	1610	420	28	7-28	1900	505	29
2-29	8000	2763	64	8-3	1800	485	38

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 751
Location: Beaver Creek of Wichita River near Electra, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-10-60	1400	396	20	1-11-61	10944	3939	106
8-17	3000	883	40	1-18	10088	3525	110
8-24	2250	605	33	1-25	13050	4419	147
9-1	3000	821	35	2-1	14076	5050	140
9-8	1400	384	32	2-8	7900	2673	52
9-14	1700	430	26	2-15	10800	3614	92
9-21	2410	719	29	2-22	8040	2702	58
9-28	3200	1004	27	3-1	16660	6111	133
10-4	11930	4069	100	3-8	19190	7373	195
10-11	3830	1136	42	3-15	2594	768	11
10-18	370	78	22	3-22	2304	673	41
10-26	1590	443	24	3-29	7830	2586	78
11-2	4293	1269	56	4-5	2620	733	48
11-9	4826	1469	80	4-12	6500	2090	92
11-16	11025	3614	82	4-19	7330	2363	124
11-23	7320	2302	118	4-26	8480	2800	140
11-30	9996	3341	255	5-3	10020	3350	165
12-7	2325	693	23	5-10	579	104	40
12-14	1870	512	24	5-17	2938	783	82
12-21	3390	984	32	5-24	2297	540	72
12-29	6365	2071	80	5-31	3894	2050	160
1-5-61	6527	2026	50	6-8	18180	7171	62

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 751
Location: Beaver Creek of Wichita River near Electra, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-14-61	4960	1616	56	10-10-61	8148	2700	52
6-21	620	104	35	10-11	4999	1538	52
6-28	4300	1333	39	10-18	3178	905	56
7-5	4271	1320	98	10-27	3247	955	54
7-12	4578	4750	38	11-1	4166	1227	56
7-19	8642	2838	68	11-8	2600	755	38
7-26	991	226	34	11-14	4200	1195	36
8-2	2463	660	65	11-20	2130	598	28
8-9	6012	1892	66	11-29	5148	1528	42
8-16	3841	1166	70	12-4	4040	1187	44
8-23	4578	1387	48	12-9	7900	2700	64
8-30	3760	1135	48	12-11	5425	1788	50
9-7	500	63	30	12-12	6527	2075	102
9-13	703	153	19	12-14	6614	2038	52
9-20	4549	1310	66	12-14	6320	2063	52
9-27	5566	1613	118	12-18	3670	1110	32
9-25	5440	1637	80	12-21	5747	1838	46
9-26	5260	1613	84	12-22	6592	2075	54
9-28	5171	1644	130	12-25	6528	2113	56
10-2	6180	2050	60	12-27	7200	2300	58
10-4	1164	264	32	12-28	7210	2337	43
10-9	6208	2106	62	1-1-62	7696	2538	58

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 751
Location: Beaver Creek of Wichita River near Electra, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-3-62	7828	2625	80	2-10-62	9900	3325	85
1-5-62	8480	2762	58	2-12	10098	3425	90
1-7	8643	2950	52	2-13	10197	3400	90
1-8	9000	2975	72	2-14	10360	3425	85
1-13	9353	3075	52	2-15	10300	3450	110
1-15	8493	2775	58	2-16	10400	3500	110
1-16	10750	3625	200	2-17	10296	3425	105
1-17	9880	3325	73	2-19	10400	3538	110
1-22	8901	3100	76	2-19	10896	3513	115
1-25	9108	3118	76	2-20	10088	3525	95
1-25	9408	3232	68	2-22	10670	3625	100
1-28	9212	3182	64	2-23	10476	3575	110
1-29	9408	3283	72	2-24	10670	3600	110
1-29	9400	3308	70	2-26	10890	3675	83
1-30	9410	3175	85	2-27	10600	3600	120
2-1	9600	3225	100	2-28	11290	3725	130
2-2	9600	3225	100	3-1	12140	4038	130
2-3	9600	3225	95	3-2	11500	3875	125
2-5	9310	3163	90	3-3	11289	3713	120
2-7	9590	3169	100	3-5	11440	3875	120
2-8	9603	3475	85	3-6	11180	3850	130
2-9	9504	3050	95	3-7	10970	3850	125

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 751
Location: Beaver Creek of Wichita River near Electra, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
3-8-62	10965	3863	140	5-15-62	3643	935	136
3-10	10970	3913	140	5-22	4157	1330	52
3-12	12670	4350	145	5-26	12670	4488	100
3-13	11330	4025	118	5-27	10070	3638	85
3-15	11500	4000	105	5-29	7680	2500	72
3-17	11200	3938	108	6-4	2890	860	36
3-20	11200	3675	130	6-12	1100	239	31
3-21	30096	11450	425	6-18	944	175	51
3-23	15680	5600	160	6-25	780	145	36
3-24	12936	4400	150	7-2	6160	2013	70
3-25	11466	4000	140	7-10	5170	1438	205
3-27	11600	3838	115	7-18	3591	1075	52
3-28	11600	3888	125	7-24	1520	378	27
3-29	11400	3925	130	8-1	1960	568	30
3-30	11200	3800	140	8-7	2910	880	44
3-31	11500	3975	85	8-14	1815	480	38
4-3	1250	268	36	8-22	1820	490	48
4-10	1700	405	42	8-28	1880	480	50
4-17	2040	531	59	9-5	3240	965	45
4-24	40000	15700	240	9-12	540	62	45
5-2	3600	1050	52	9-18	1050	222	37
5-8	2530	675	56	9-25	5700	1782	54

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 752
Location: Wichita River below Lake Kemp, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-4-59	3050	950	-	2-29-60	3450	875	520
9-9	2750	950	-	3-7	3500	875	560
9-17	3600	950	-	3-14	3500	890	570
9-23	3700	1000	-	3-21	3550	905	540
10-9	3650	1000	-	3-28	3700	915	525
10-22	3600	1100	-	4-5	4100	874	540
10-29	3950	950	545	4-11	3900	867	555
11-12	3700	925	570	4-18	3990	818	525
11-25	3250	900	570	4-25	4000	883	600
12-3	3700	950	545	5-2	4100	931	600
12-8	3050	1000	540	5-9	4100	912	625
12-16	3175	850	410	5-16	4000	922	575
12-22	3700	888	500	5-26	3750	893	650
12-29	3750	925	430	5-31	3700	835	550
1-4-60	3900	888	570	6-9	3150	614	450
1-11	3750	913	555	6-16	4300	921	533
1-18	4000	825	550	6-23	4250	931	566
1-25	3550	770	560	6-29	4000	950	590
2-4	3900	775	520	7-6	3750	950	600
2-8	3800	845	560	7-4	3480	924	570
2-17	3500	840	525	7-21	3420	919	566
2-23	3600	850	520	7-28	3410	919	583

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 752
Location: Wichita River below Lake Kemp, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-3-60	3460	907	583	1-3-61	3600	793	550
8-10	3440	960	583	1-10	4194	982	650
8-17	3880	912	583	1-16	4158	970	660
8-24	4000	922	583	1-23	3796	818	483
8-29	4000	926	222	2-1	3670	851	550
9-6	2381	905	500	2-8	3620	804	530
9-12	3930	915	550	2-13	3740	822	530
9-19	3960	908	583	2-20	4800	1167	650
9-26	4017	941	583	2-27	4772	1162	650
10-3	4150	985	550	3-6	3697	859	550
10-10	4080	949	510	3-13	3542	833	550
10-17	4250	919	630	3-20	3389	809	550
10-24	3890	924	530	3-27	3690	846	570
10-31	3366	744	560	4-3	3600	820	560
11-9	3370	718	550	4-10	3670	825	550
11-16	3690	770	550	4-17	3760	840	560
11-23	3520	782	530	4-24	3750	870	560
11-28	3609	782	550	5-3	3798	850	550
12-5	3560	787	500	5-10	3672	860	590
12-12	3620	762	530	5-17	3958	885	583
12-19	3680	767	560	5-24	3960	870	600
12-27	3579	793	560	5-31	3841	875	590

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 752
Location: Wichita River below Lake Kemp, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-5-61	3818	889	566	11-6-61	4128	963	567
6-14	3493	816	516	11-14	4160	933	458
6-21	4121	983	600	11-20	4260	1015	583
6-26	3994	1333	39	11-29	4329	990	583
7-3	3974	940	583	12-4	4161	980	550
7-12	3880	940	566	12-11	4202	970	516
7-19	3969	920	566	12-18	4280	1005	450
7-24	3908	931	566	12-27	4386	990	566
7-31	3929	931	616	1-3-62	4306	1000	417
8-7	3927	931	566	1-8	4520	1025	583
8-14	4079	941	566	1-15	4430	1010	550
8-21	4090	943	641	1-23	4323	1010	633
8-28	3980	951	550	1-29	4240	1010	566
9-5	4051	948	550	2-5	4690	1114	633
9-11	4000	1033	550	2-12	4360	1010	550
9-18	4131	946	517	2-19	4532	1043	633
9-25	4118	940	533	2-26	4613	1050	516
10-2	3800	885	517	3-5	4660	1065	650
10-9	4000	913	550	3-12	4535	1083	633
10-16	3973	935	566	3-20	4750	1075	566
10-25	4047	960	583	3-27	4630	1070	616
10-30	4017	955	600	4-3	4660	1090	616

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 752
Location: Wichita River below Lake Kemp, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-10-62	4560	1040	600	9-10-62	4400	1067	583
4-17	4490	1063	616	9-18	4356	1043	600
4-24	4750	1100	650	9-25	4325	1023	600
4-30	4530	1065	616				
5-8	4610	1080	633				
5-15	4870	1128	633				
5-22	4412	1100	633				
5-29	4850	1150	666				
6-4	4660	1130	650				
6-12	4740	1110	683				
6-18	4610	1120	666				
6-25	4600	1115	650				
7-2	4610	1130	650				
7-10	4835	1120	650				
7-16	4670	1125	666				
7-23	4700	1120	650				
7-30	4510	1110	666				
8-7	4560	1095	616				
8-15	4530	1111	600				
8-21	4490	1096	650				
8-29	4560	1101	733				
9-5	4460	1086	591				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 758
Location: Wichita River above Lake Kemp near Seymour, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-4-59	7000	2750	-	3-7-60	19000	5800	2150
9-9	6500	4600	-	3-14	20000	6500	2300
10-2	7100	2200	-	3-21	20500	6300	2300
10-9	4450	1050	-	3-28	20500	6150	2400
10-22	10000	3300	-	4-5	21500	6380	2500
10-29	10000	3550	1550	4-11	21500	6560	2500
11-12	10200	3400	1350	4-18	23000	7154	2550
11-25	20000	5100	2070	4-25	22500	6768	2500
12-3	19000	5400	1770	5-2	21000	6768	2750
12-8	19500	5300	1980	5-9	5800	1308	750
12-16	3990	1150	360	5-16	12000	3216	1475
12-22	6250	1775	690	5-23	1575	326	240
12-29	11000	3400	1095	5-31	2475	442	440
1-4-60	15000	4200	1710	6-6	4500	979	700
1-11	15400	4800	1686	6-13	2975	571	408
1-18	18000	4200	1860	6-20	7000	16440	950
1-25	18000	4850	2040	6-27	9700	2660	1375
2-4	8400	2100	940	7-6	2800	632	433
2-8	15000	4325	1680	7-11	2744	662	560
2-17	17000	5300	2280	7-18	3800	985	733
2-23	19750	6000	2275	7-25	3940	1015	766
2-29	19500	5850	1850	8-1	8640	2712	1517

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 758
Location: Wichita River above Lake Kemp near Seymour, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-8-60	10770	3624	1833	1-10-61	16072	4949	2250
8-15	13800	3624	1700	1-16	16282	5225	2100
8-22	3100	672	550	1-23	18177	4671	1300
8-29	18000	5112	1700	1-30	17888	5416	2100
9-6	7938	2625	1233	2-6	15642	4653	1900
9-12	11700	3275	1400	2-13	17200	4851	1950
9-19	12100	3494	1400	2-20	17170	5075	2200
9-26	13700	3952	1766	2-27	16915	5050	2100
10-3	12800	3575	1966	3-6	17136	5378	2200
10-10	15400	4520	1800	3-13	18308	5959	2400
10-17	2950	543	620	3-20	5712	1450	950
10-24	5380	1302	800	3-27	10500	2859	1467
10-31	10296	2834	1367	4-3	6700	1660	1132
11-7	12566	3484	1633	4-10	14400	4063	2000
11-14	14850	4134	1867	4-17	16600	4750	2250
11-21	15200	4529	1850	4-24	17800	5450	2400
11-28	16675	4678	1850	5-1	18483	5550	2650
12-5	17340	5235	1900	5-8	5304	1265	1050
12-12	6390	1576	775	5-17	14688	3975	2050
12-19	16400	4133	2050	5-22	9306	2425	1500
12-27	16524	4974	2100	5-29	16480	4675	2250
1-3-61	15000	4293	1850	6-5	8181	2241	1125

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 758
Location: Wichita River above Lake Kemp near Seymour, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-12-61	12835	3813	1900	10-25-61	15522	4850	2250
6-21	15450	4625	2050	10-30	15836	5050	2100
6-28	4612	1065	850	10-31	6574	1720	816
7-3	4377	1085	600	11-3	4643	1105	666
7-10	5626	1540	800	11-6	7276	1830	983
7-17	4649	1103	733	11-7	9400	2563	1150
7-24	3900	890	600	11-14	14200	3975	1517
7-31	8505	2267	1325	11-15	6963	1890	816
8-7	11718	3359	1661	11-17	9152	2538	1125
8-14	11600	3259	1533	11-20	12248	3550	1500
8-21	3387	764	560	11-27	16650	4520	1800
8-28	11172	3274	1333	12-4	16650	5075	1950
9-5	2350	417	500	12-11	17544	5050	1650
9-8	5263	1242	917	12-18	17500	5200	2000
9-11	8036	2086	1125	12-27	18746	5550	2050
9-15	7448	2025	1050	1-3-62	19158	5700	1800
9-18	11100	3043	1367	1-8	18160	5325	1750
9-25	14256	3925	1700	1-15	16892	4925	1600
10-2	2039	463	260	1-19	18200	5700	2250
10-3	3240	730	450	1-29	18000	5505	2100
10-9	12870	3700	1533	2-5	18800	5757	2300
10-16	12992	3700	1667	2-12	19796	5900	2250

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 758
Location: Wichita River above Lake Kemp near Seymour, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-19-62	20500	6075	2500	6-4-62	6790	1755	933
2-23	19788	6175	2400	6-6	3070	690	530
2-26	19968	6225	2250	6-8	1610	253	400
3-5	20700	6250	2450	6-12	1960	345	410
3-7	19600	6325	2400	6-18	5520	1325	883
3-12	21700	6450	2550	6-25	11144	3025	1367
3-14	21000	6500	2550	7-2	12479	3588	1633
3-20	20400	6050	1900	7-10	13485	3775	1900
3-23	20776	6475	2750	7-16	16200	4700	2250
3-27	21200	8475	2550	7-23	7490	1900	1100
3-28	21600	6800	2800	7-30	4700	1145	633
4-3	21800	6400	2800	8-7	7560	2013	925
4-10	15170	4300	1800	8-15	12460	3565	1633
4-17	19990	6000	2450	8-21	13130	3953	1833
4-18	20800	6325	2750	8-29	13970	4050	2000
4-20	21400	6600	2650	9-5	2070	403	310
4-24	20400	6200	2500	9-10	2615	490	560
4-30	4050	915	650	9-18	2257	437	410
5-8	14100	3875	1833	9-25	7380	1727	950
5-15	14255	4225	1950				
5-22	22733	7600	3100				
5-29	3570	858	483				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 756
Location: South Fork of Wichita River near Benjamin, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-2-59	29000	9500	-	3-21-60	35000	11700	2940
10-8	9300	3525	-	3-28	35000	9050	3220
10-21	29000	11100	-	4-5	39000	13250	3570
10-29	30000	14050	3400	4-11	40000	12250	3710
11-11	27000	14000	3100	4-18	40000	13328	3643
11-24	37500	12500	3500	4-25	40000	12672	3900
12-2	40000	13500	3300	5-2	40500	12576	3800
12-8	40000	13750	3450	5-9	40000	12672	3700
12-16	5000	1700	500	5-16	44000	15168	3800
12-22	16000	5000	1720	5-23	35000	11232	3100
12-29	26000	10625	2000	5-31	6400	1488	650
1-4-60	30500	12250	2850	6-6	40000	12960	3500
1-11	27000	8750	2525	6-13	15000	4224	1700
1-18	30000	8500	2600	6-20	26500	7680	2643
1-25	30000	9100	2650	6-26	30000	10165	3000
2-4	19000	4650	1650	7-11	9629	3081	1400
2-8	28000	8800	2450	7-18	8700	2828	1275
2-17	31000	9600	2520	7-25	17270	6161	2100
2-23	33000	11100	2765	8-1	23000	8544	3150
2-29	33000	10950	2400	8-8	26800	10608	3500
3-7	31500	10500	2940	8-22	4450	912	1267
3-14	33000	11700	2730	8-29	18300	5760	2143

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

FHS Station No.: 756
Location: South Fork of Wichita River near Benjamin, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-19-60	13270	4157	1300	2-20-61	25250	8333	2500
9-26	5562	1456	833	2-27	25000	8282	2786
10-3	29800	10868	3429	3-6	26240	8989	2929
10-10	24900	8484	2286	3-13	28482	9797	2929
10-17	2380	449	483	3-20	18336	6064	2400
10-24	11400	3321	1400	3-27	26400	8663	3000
10-31	18295	5616	2400	4-3	18000	5500	2500
11-7	21050	6292	2643	4-10	23100	7650	2786
11-14	23504	7280	2643	4-17	26900	8900	2500
11-21	24300	8019	2571	4-24	29300	10250	2929
11-28	26442	8118	2643	5-1	31000	10900	3500
12-5	26520	8712	2857	5-8	9682	2575	1633
12-12	21000	6489	2200	5-17	18600	5700	2550
12-19	24900	7313	2571	5-22	19206	5950	2750
12-27	25584	8030	2714	5-29	22140	6800	2786
1-3-61	24000	8181	2571	6-5	11658	3257	1766
1-10	25220	8484	2930	6-12	16791	5277	2400
1-16	25920	8700	2643	6-19	20400	6850	2650
1-23	28305	6717	2714	6-26	23280	7825	2571
1-30	25956	8636	2571	7-3	24250	8300	3143
2-6	25900	8316	2643	7-10	24750	8750	3214
2-13	25000	8316	2357	7-17	13041	3700	1866

Specific Conductance (μmhos) - micrombos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 756
Location: South Fork of Wichita River near Benjamin, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-24-61	7901	2003	1367	10-30-61	26230	8750	3071
7-31	21843	6548	2714	11-1	26928	8800	2786
8-7	23328	7469	2929	11-6	18404	5750	1700
8-14	25600	8379	3429	11-13	22000	6750	2050
8-21	28034	9212	3643	11-15	9600	2650	1167
8-28	25026	8700	3000	11-20	22200	7100	2214
9-5	5065	1048	1150	11-22	24080	7373	2286
9-11	19584	6014	2200	11-24	25800	8080	2357
9-25	25245	7600	3486	11-27	27528	8434	2571
9-20	22700	7100	2650	11-29	26750	8838	2786
9-22	23800	7625	2825	12-1	26750	8787	2643
9-27	24888	8175	2786	12-4	27248	8787	2643
9-29	24480	7850	2786	12-6	27600	10050	2143
10-2	20600	6850	2200	12-8	26000	8450	2643
10-4	27690	9350	2857	12-11	29664	8700	2214
10-6	22774	7500	2500	12-13	26600	8850	2570
10-9	21534	6650	2550	12-15	27000	8850	2640
10-16	22500	7250	2500	12-18	26900	8425	2393
10-18	24156	8650	2643	12-20	27604	9200	2500
10-20	27720	9150	3144	12-22	26780	9200	2643
10-25	26520	9200	3143	12-26	28840	9300	2786
10-26	25724	9100	2929	12-27	29376	9350	2571

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 756
Location: South Fork of Wichita River near Benjamin, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-29-61	29318	9650	2357	3-5-62	32865	11000	3143
1-2-62	30315	9800	2357	3-7	31440	11900	3286
1-3	28600	7750	2000	3-9	31285	11300	3214
1-5	28200	9500	2500	3-12	33000	11400	3286
1-8	29900	5900	2000	3-14	34240	11450	2500
1-12	30380	10100	2929	3-16	33850	11400	3286
1-14	29078	10100	2714	3-19	36080	11700	3214
1-15	30222	9950	2500	3-23	34000	11450	3572
1-17	28288	9700	2929	3-26	34600	11600	3500
1-20	28496	9800	2857	3-28	34700	11800	3572
1-23	28860	9500	2786	3-30	34900	12100	3643
1-24	27604	9343	2500	4-3	36400	12300	3572
1-26	28016	9444	2643	4-4	34920	12100	3572
1-29	30843	9646	2857	4-10	21100	6350	2200
1-31	28500	9650	2929	4-16	34000	11700	3572
2-2	28500	9575	2857	4-18	34000	11600	3500
2-5	30300	9898	2857	4-20	36000	12100	3572
2-7	29700	10000	2786	4-23	37000	12500	3643
2-9	29898	10050	2786	4-25	34000	11900	3572
2-12	30704	10125	2786	4-27	876	52	310
2-19	31980	10600	3143	4-30	21600	6875	2450
2-26	32550	10650	2786	5-7	25600	8400	2786

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 756
Location: South Fork of Wichita River near Benjamin, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-14-62	21384	6725	2300	9-25-62	12300	3395	1500
5-21	29760	9925	3214				
5-28	32064	10850	3572				
5-30	34000	11650	3643				
6-1	6210	1435	1100				
6-4	5080	1050	1200				
6-7	2670	468	700				
6-8	3600	633	950				
6-11	2200	354	625				
6-18	10500	2850	1467				
6-25	17400	5300	2100				
7-2	14364	4250	1800				
7-9	22690	7050	2929				
7-16	7160	1819	1067				
7-23	2300	275	800				
7-30	6335	1600	1067				
8-6	31800	10550	3143				
8-13	31450	10525	3572				
8-20	30800	10573	3250				
9-4	4400	854	1150				
9-10	7300	1785	1400				
9-17	2810	500	800				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 757
Location: North Fork of Wichita River near Truscott, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-3-59	18000	5850	-	2-29-60	19000	5525	2160
9-8	17000	6500	-	3-7	20000	6100	2040
9-16	22500	7700	-	3-14	20000	6150	2100
9-24	21500	7400	-	3-21	20500	6300	2450
10-8	8900	2950	-	3-28	20000	6450	2450
10-21	17500	5500	-	4-5	22500	6650	2700
10-29	18000	6200	2445	4-11	22500	6470	2760
11-11	19000	8250	2650	4-18	23000	6762	2750
11-24	23000	7500	1700	4-25	24000	7488	2850
12-2	22500	8750	2850	5-2	24000	7200	2500
12-8	22300	8250	2550	5-9	12000	2952	1475
12-16	2250	550	210	5-16	19000	5472	2225
12-22	9000	2450	840	5-23	5000	1308	933
12-29	14500	4150	1300	5-31	6550	1524	975
1-4-60	18200	5125	2120	6-6	9750	2400	1233
1-11	17000	5250	2220	6-13	7000	1632	825
1-18	19700	5100	2200	6-20	10000	2592	1333
1-25	18800	5025	2220	6-26	15000	3990	1900
2-4	17000	4200	2040	7-4	18000	5178	2500
2-8	17800	5350	2160	7-11	4712	1364	850
2-17	19300	6300	2280	7-18	5640	1672	1000
2-23	20100	5950	2220	7-25	9700	2879	1667

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 757
Location: North Fork of Wichita River near Truscott, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-1-60	13400	4296	2200	1-3-61	14600	4065	2100
8-8	14850	5136	2450	1-10	15923	4747	2450
8-15	18400	5520	2550	1-16	16512	4925	2250
8-22	13000	3552	1550	1-23	17760	5252	2050
8-29	12500	3360	1550	1-30	16640	5000	2050
9-6	13608	4300	1900	2-6	14925	4183	2000
9-12	13500	3800	1750	2-13	15800	4356	2050
9-19	20200	6222	2650	2-20	15912	4596	2100
9-26	18950	5876	1966	2-27	15600	4995	2100
10-3	20200	6188	2500	3-6	17015	5101	2400
10-10	20600	6515	2150	3-13	17600	5454	2500
10-17	4640	1030	766	3-20	9561	2648	1700
10-24	7760	2058	1000	3-27	15200	4282	2400
10-31	8910	2327	1400	4-3	14000	3875	2250
11-7	12064	3796	1967	4-10	16600	4763	2500
11-14	14760	3952	2067	4-17	18000	5450	2500
11-21	14900	4331	2100	4-24	18400	5950	2650
11-28	16950	4851	2200	5-1	18800	5850	2750
12-5	16932	5099	2200	5-8	14550	4313	2050
12-12	13100	3592	1900	5-17	20400	6250	2850
12-19	16100	4249	2266	5-22	20196	6350	2950
12-27	16630	4924	2300	5-29	22018	6850	2950

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 757
Location: North Fork of Wichita River near Truscott, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-5-61	18593	5808	2500	10-16-61	18816	5900	2300
6-12	16309	4861	2300	10-25	19800	6500	2500
6-19	18952	5750	2500	10-26	20073	6750	2600
6-26	8730	2280	1375	10-30	20640	6600	2500
7-3	5145	1280	833	11-6	15480	4500	1900
7-10	19008	6250	2450	11-13	19000	5650	2050
7-17	3840	930	600	11-20	18000	5250	1950
7-24	3862	892	683	11-27	19980	5656	2200
7-31	13920	3953	2225	12-4	19240	5909	2300
8-7	17766	5626	2400	12-11	18450	5350	1850
8-14	13600	3822	2200	12-18	18360	5400	1900
8-21	14766	4214	2000	12-20	18423	5700	2300
8-28	16984	5165	2200	12-26	19570	5900	2300
9-5	9663	2710	1267	1-2-62	20116	5850	2000
9-7	12240	3298	1700	1-8	18500	4300	1700
9-11	17848	5311	2100	1-15	18720	5620	1750
9-18	20889	6354	2400	1-23	20424	6100	2400
9-20	20800	6475	2750	1-29	18423	5505	2100
9-25	22176	6750	3000	2-5	19600	6010	2500
10-2	20085	5600	2400	2-12	20200	6000	2500
10-9	21534	6950	2650	2-19	20910	6125	2500
10-11	11536	3288	1633	2-21	20855	6250	1900

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 757
Location: North Fork of Wichita River near Truscott, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-23-62	20330	6150	2050	5-21-62	3260	590	766
2-26	21150	5950	1950	5-28	10752	2938	1500
3-5	20800	6250	2500	6-1	2430	495	450
3-12	21000	6375	2750	6-4	19400	6000	2250
3-19	22100	6550	2500	6-7	2840	600	560
3-26	21900	6450	2800	6-8	3700	844	650
3-28	22000	6900	2850	6-11	3280	663	700
3-30	22400	7000	3100	6-18	12300	3438	1667
4-3	22600	7000	2950	6-25	18300	5400	2250
4-4	22120	7000	2950	7-2	13420	3725	2100
4-6	19000	5500	2400	7-9	21948	6400	2750
4-10	21630	6400	2500	7-16	22400	6950	3000
4-16	23400	7100	2950	7-23	24960	7700	3150
4-20	23600	7300	3100	7-30	13055	3863	1700
4-23	24000	7525	3100	8-6	11600	3250	1367
4-25	23400	7300	2800	8-13	18870	5869	2550
4-27	3270	680	700	8-20	21460	6645	2900
4-30	15400	4438	2000	8-27	20950	6548	3000
5-7	22800	6800	2950	9-4	11100	3153	1650
5-9	22890	7300	2850	9-10	12340	3541	1600
5-14	21582	6550	2850	9-17	4138	931	683
5-18	22680	7250	3100	9-25	10455	2910	1200

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 771
Location: North Fork of Wichita River near Paducah, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-31-61	19278	6669	2400	12-12-61	22089	6800	1800
8-7	22160	7421	2500	12-13	21700	6950	1900
8-14	24444	8232	2550	12-16	20900	6750	2050
8-21	20972	6811	2100	12-18	21600	6600	2075
8-28	23520	8000	2400	12-21	22042	6850	2250
9-5	27264	9070	2450	12-23	22032	6850	2250
9-11	26384	8730	2450	12-26	22248	6800	2250
9-18	27918	8876	2650	12-27	22365	6650	1900
9-25	28710	9100	2850	12-30	22578	6750	2100
10-2	26574	8550	2450	1-2-62	22898	6900	2000
10-16	23868	7850	2400	1-3	22145	6800	1950
10-25	23364	8000	2500	1-7	21630	6700	1850
10-30	22898	7675	2450	1-8	21600	6150	1500
11-6	23217	7050	2400	1-10	23220	7500	2250
11-13	23200	7300	2200	1-13	22200	6950	1950
11-16	21012	6650	2100	1-16	20176	6250	2050
11-20	22000	6900	2000	1-17	21513	6850	2200
11-21	22800	6850	2250	1-21	21620	6800	2300
11-27	23436	7171	1850	1-23	22360	7000	2400
12-4	22568	7121	2300	1-24	21525	6818	2050
12-7	22374	7000	2300	1-28	20604	6666	2050
12-9	21700	6950	2050	1-29	21518	6717	2200

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 771
Location: North Fork of Wichita River near Paducah, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-31-62	21000	6800	2450	3-25-62	23716	7550	2500
2-3	21000	6750	2250	3-26	24400	7550	2450
2-5	21600	6818	2300	3-28	25300	7950	2650
2-7	22000	6800	2250	3-31	25600	8350	2550
2-10	21600	6750	2200	4-3	25800	8125	2750
2-12	22000	6875	1850	4-4	25800	8050	2500
2-14	22356	6850	2400	4-8	26100	8000	2550
2-18	22770	7150	2400	4-10	25900	8100	2450
2-19	22032	6825	2450	4-12	26060	8200	2500
2-21	23112	7050	1950	4-16	26520	8600	2550
2-25	22575	6900	1800	4-18	27000	8500	2550
2-26	22500	6450	2100	4-22	27200	8775	2800
2-28	22575	6850	2250	4-23	27000	8850	2750
3-4	22790	7050	2450	4-25	27900	9200	2750
3-5	22048	6750	2300	4-29	26800	8450	2550
3-7	21780	6900	2300	4-30	26600	8675	2650
3-11	22770	7200	2500	5-3	28500	9200	2800
3-12	22885	7100	2650	5-7	28700	9300	2800
3-14	23500	6950	1950	5-7	28900	9200	2750
3-18	25920	7475	2050	5-14	28910	9450	2850
3-19	23800	7250	2200	5-16	28224	9600	2850
3-22	22736	7000	2400	5-20	28116	9400	2800

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 771
Location: North Fork of Wichita River near Paducah, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-21-62	27200	8950	2650	8-27-62	26600	8633	2850
5-25	27070	9000	2800	9-4	9890	2789	900
5-28	28800	9700	2980	9-10	24925	8488	2400
5-28	29376	9750	2950	9-17	3026	757	450
5-30	29500	10100	3000	9-24	22440	7760	2050
6-3	24400	8100	2400				
6-4	25200	8350	2450				
6-8	11900	3338	1200				
6-11	7490	2000	800				
6-11	3670	900	450				
6-18	22100	6950	2450				
6-25	26000	8100	2650				
7-2	24190	7750	2650				
7-9	26455	8400	2800				
7-16	27300	9000	2950				
7-23	21780	6700	2250				
7-29	3745	955	466				
7-30	8065	2288	875				
8-2	2500	515	160				
8-6	18500	5850	1750				
8-13	24310	7857	2450				
8-20	26180	8682	2775				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 500
Location: Cache Creek near Walters, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-29-59	320	40	-
10-6	180	30	-
10-27	960	75	96
11-9	600	45	58
11-23	970	75	126
12-4	1050	100	119
12-9	1050	80	126
12-17	380	50	30
12-24	670	42	56
12-30	760	47	110
1-6-60	980	66	118
1-11	860	53	114
1-20	620	35	74
1-26	840	46	90
2-5	420	16	71
2-11	630	32	76
2-17	780	46	110
2-25	880	55	140
2-29	850	61	130
3-9	500	78	142
3-14	1050	78	175
3-23	1550	72	140
3-28-60	900	66	120
4-5	1050	69	180
4-10	1100	79	152
4-18	1100	76	155
4-25	950	74	125
5-2	1020	82	160
5-9	500	29	76
5-18	880	26	73
5-25	800	52	142
6-2	640	46	34
6-9	350	22	11
6-15	730	48	88
6-22	660	72	82
6-30	890	75	70
7-7	430	44	21
7-11	500	44	31
7-18	700	70	50
7-25	370	36	42
8-1	620	56	70
8-8	800	70	60
8-15	730	70	52
8-22	450	40	30

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 500
Location: Cache Creek near Walters, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-29-60	600	46	36	1-30-61	850	62	84
9-8	730	61	40	2-16	830	66	82
9-14	750	71	42	2-13	720	59	70
9-19	740	69	34	2-20	890	82	98
9-28	740	63	35	2-27	860	77	114
10-3	570	53	40	3-6	860	74	112
10-10	680	58	46	3-13	870	83	110
10-17	360	27	26	3-20	420	32	48
10-24	210	11	45	3-27	810	85	60
10-31	440	29	36	4-5	600	47	55
11-7	480	29	39	4-12	640	51	50
11-14	700	49	48	4-19	760	63	60
11-21	760	56	45	4-26	860	71	52
11-28	790	50	45	5-3	840	75	54
12-5	740	53	40	5-10	690	56	50
12-12	280	15	23	5-17	870	92	50
12-19	870	81	76	5-24	640	44	60
12-27	830	67	76	5-31	710	53	49
1-5-61	620	41	51	6-7	320	17	26
1-9	810	66	96				
1-16	800	65	76				
1-23	830	64	72				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 497
Location: Red River near Burkburnett, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-2-59	5200	1800	-	2-29-60	4200	1015	750
9-8	2250	810	-	3-9	7500	1960	975
9-15	6000	1650	-	3-14	4100	1060	760
9-24	7000	2400	-	3-23	5400	1250	875
10-6	1600	575	-	3-28	6100	1470	875
10-20	5200	1600	-	4-5	5500	1220	840
10-26	7000	1775	790	4-10	6250	1440	1125
11-12	7500	2100	900	4-18	7500	1872	1100
11-25	7000	2000	975	4-25	6400	1632	1000
12-4	7000	2200	975	5-2	7000	2064	1150
12-9	6800	2100	930	5-9	7000	1882	1025
12-17	5300	1650	640	5-19	4000	1171	500
12-24	4300	1362	550	5-25	6000	1416	800
12-30	8600	2225	850	6-3	6400	1512	875
1-6-60	8500	2125	1020	6-9	5000	112	675
1-11	10000	2800	1168	6-16	4900	1061	725
1-20	7000	1850	900	6-22	8000	2040	1300
1-26	8500	2000	980	6-30	10800	2541	1500
2-5	5000	1088	600	7-7	5800	1482	650
2-11	4100	995	720	7-11	5386	1505	883
2-17	5000	1188	825	7-18	5207	1515	800
2-25	5700	1355	960	7-25	6441	1884	1050

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 497
Location: Red River near Burkburnett, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-1-60	3910	1056	800	1-5-61	8901	2323	1125
8-8	5974	1746	1050	1-9	8405	2172	1200
8-15	7200	1704	1150	1-16	9473	2450	1250
8-22	6500	1668	825	1-23	7590	1881	1050
8-29	6050	1459	800	1-30	8568	2235	1200
9-8	6800	1710	875	2-6	7900	2069	1050
9-14	7940	2075	950	2-13	8118	2153	1100
9-19	11500	3545	1167	2-20	7272	1881	1100
9-28	4940	1144	850	2-27	8299	2298	1150
10-3	8778	2496	1050	3-6	8211	2273	1200
10-10	6860	1778	925	3-13	8624	2363	1400
10-17	3772	795	560	3-20	6074	1604	925
10-24	3290	725	675	3-27	6960	1688	1100
10-31	5040	1144	825	4-5	6720	1620	1225
11-7	7642	1872	1125	4-12	6950	1675	1275
11-14	6810	1539	1050	4-19	6890	1690	1200
11-21	7390	1822	1125	4-27	8260	2113	1400
11-28	7638	1703	1100	5-4	6500	1595	1050
12-5	7720	2005	1150	5-10	5814	1440	1025
12-12	4580	1138	675	5-17	7600	1870	1325
12-19	7350	1738	1000	5-24	6000	1465	1025
12-27	8307	2184	1225	5-31	7547	1881	1225

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 497
Location: Red River near Burkburnett, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-8-61	1875	317	420	10-16-61	2129	455	370
6-19	2342	400	575	10-19	4015	1003	550
6-28	10088	2788	1500	10-26	6283	1630	825
7-3	6720	1690	1050	10-30	6757	1780	862
7-12	9506	2600	1625	11-2	6129	1290	700
7-19	5664	1330	975	11-6	2354	502	310
7-26	4118	1111	800	11-9	3595	790	625
8-3	7215	1911	1125	11-13	5365	1220	700
8-9	7234	1882	1125	11-20	7140	2830	925
8-16	7880	1975	1250	11-22	7910	2181	875
8-21	6514	1646	975	11-27	8917	2247	1025
9-5	5610	1528	600	12-1	8750	2116	950
9-11	3977	919	625	12-4	7600	2014	1000
9-14	2205	503	210	12-6	7592	1982	1025
9-18	1881	432	350	12-12	8034	2075	650
9-21	4850	1193	675	12-15	8694	2250	900
9-25	6630	1690	875	12-18	8360	2200	838
9-28	2670	526	375	12-22	8060	2013	1000
10-2	2943	575	688	12-20	8650	2275	875
10-5	4326	1053	650	12-26	8980	2300	950
10-9	5168	1323	750	12-28	8320	2175	1025
10-11	4925	1245	650	1-2-62	8392	2088	925

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 497
Location: Red River near Burkburnett, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-4-62	8063	1975	700	3-30-62	9890	2613	1250
1-8	8094	1238	850	3-31	9820	2500	1225
1-15	7613	1938	1100	4-4	9270	2388	1225
1-17	7548	1930	950	4-2	9480	2450	1250
1-23	9880	2700	950	4-9	7890	1990	1050
1-26	8200	2075	1025	4-12	10810	2950	1425
1-29	8200	2146	1100	4-14	12940	3650	1625
1-31	6800	1515	750	4-16	11630	3160	1550
2-5	9650	2500	1250	4-18	9800	2581	1325
2-9	8850	2213	1200	4-23	9370	2463	1275
2-12	8214	2200	1225	4-30	7400	1880	1250
2-14	7848	2063	1125	5-7	6270	1450	1125
2-19	8680	2160	1125	5-14	9010	2306	1275
2-23	8536	2220	1125	5-16	9700	2525	1425
3-5	8860	2313	1250	5-18	9581	2550	1400
3-7	9165	2388	1250	5-21	8633	2275	1150
3-12	9353	2375	1325	5-23	9600	2575	1375
3-14	9330	2350	1425	5-28	1780	310	450
3-16	9790	2425	1275	6-1	1490	305	283
3-19	9020	2335	1325	6-2	1280	289	250
3-26	8514	2200	1200	6-4	1630	333	283
3-28	9800	2575	1375	6-6	1846	410	425

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 497
Location: Red River near Burkburnett, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-8-62	3210	710	575				
6-11	3270	733	600				
6-12	2190	438	525				
6-13	2570	510	600				
6-18	3030	590	775				
6-25	3920	835	750				
7-2	5860	1440	925				
7-9	7440	1880	1150				
7-16	7500	1938	1225				
7-23	8260	2163	1200				
7-30	3190	690	625				
8-6	3690	755	750				
8-13	5415	1203	900				
8-20	5960	1465	825				
8-27	7106	1746	1150				
9-3	4180	936	750				
9-10	2800	621	500				
9-17	3560	805	650				
9-24	2360	388	550				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 759
Location: Pease River near Vernon, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-2-59	6500	2000	-	2-25-60	12200	3430	1600
9-8	3750	1550	-	3-2	13100	3900	1850
9-15	6300	1750	-	3-9	14800	4413	1800
9-25	910	90	-	3-16	16500	5250	2050
9-30	3200	700	-	3-23	14300	4100	1900
10-6	5200	1600	-	3-30	18300	5400	2100
10-20	9600	2900	-	4-7	13750	3660	1800
10-27	11000	2450	1410	4-13	12000	3120	1600
11-9	9150	2375	1420	4-19	12000	3063	1700
11-24	10200	2400	1320	4-27	11000	2592	1600
11-30	10300	2400	1360	5-4	10000	2352	1600
12-10	10800	2700	1320	5-11	12500	3096	1800
12-16	3050	725	500	5-18	9100	2352	1300
12-21	5800	1550	780	5-25	5950	1452	1000
12-28	16000	4250	1380	6-2	6550	1452	1625
1-6-60	12400	3500	1480	6-8	3550	662	650
1-13	12500	2600	1230	6-15	3750	662	583
1-20	15000	4300	1980	6-22	13000	3130	1750
1-27	15900	4150	1850	6-29	14000	4109	1850
2-1-60	17500	4200	1925	7-6	3300	722	650
2-9	9200	2625	1170	7-13	3876	1162	700
2-15	14500	4050	1680	7-21	8000	2515	1133

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 759
Location: Pease River near Vernon, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-27-60	6890	1995	1125	1-18-60	14976	4538	1900
8-3	9890	3024	1700	1-25	14756	3535	1600
8-17	1760	278	410	2-1	13419	3838	1750
8-24	10000	2669	1100	2-8	10600	2896	1450
8-31	2100	360	420	2-15	15000	4232	1750
9-9	8150	2000	950	2-22	11110	3030	1500
9-28	6594	1643	1000	3-1	8800	2353	1250
10-4	447	64	75	3-8	13735	4141	1900
10-11	7970	2040	1125	3-15	13433	3838	1850
10-18	2200	371	445	3-22	9792	2792	1600
10-26	5900	1533	741	3-29	13400	3700	1900
11-2	11088	3120	1550	4-5	14200	4075	2050
11-9	11788	3172	1750	4-12	13200	3675	1900
11-16	12317	3198	1700	4-19	13100	3550	1900
11-23	11900	3242	1600	4-26	12900	3800	1900
11-30	12258	3292	1650	5-3	12600	3563	1850
12-7	9751	2525	1333	5-10	12360	3413	2050
12-14	12300	3335	1550	5-17	10890	2850	1800
12-21	12100	3116	1500	5-24	12672	3450	2400
12-29	14104	4330	1750	5-31	10094	2713	1766
1-4-61	16320	4924	1750	6-8	3819	631	850
1-11	13968	4217	1900	6-14	8492	2232	1375

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 759
Location: Pease River near Vernon, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-20-61	9000	2438	1267	11-17-61	6700	1640	1025
6-28	5723	1340	1133	11-20	14300	4075	1700
7-5	11252	3213	1800	11-22	14700	4250	1650
7-12	4475	1040	800	11-24	14620	3990	1400
7-19	3541	760	683	11-27	13696	3813	1500
7-26	6526	1586	1275	11-29	13200	3409	1750
8-2	9600	2510	1600	12-6	11804	3207	1650
8-9	9273	2464	1500	12-12	14000	3900	2050
8-16	6831	1607	1233	12-14	12800	3600	1650
8-23	7254	1754	1367	12-20	13400	3800	1500
8-30	9408	2498	1467	12-22	13662	3900	1650
9-7	3943	715	1033	12-26	13390	3850	1450
9-8	4692	917	1100	12-28	13184	3550	1500
9-13	1562	281	280	1-4-62	12198	3175	1400
9-15	5551	1387	950	1-8	14200	3875	1750
9-18	7600	1959	1250	1-17	9064	2260	1050
9-20	7800	1921	1263	1-25	9990	2563	1300
10-11	3435	718	566	1-31	13120	3687	1750
10-31	6054	1510	1100	2-7	13600	3813	1800
11-3	1831	245	490	2-14	11817	3125	1600
11-8	8945	2238	1367	2-21	10805	2838	1550
11-15	7200	1640	900	2-28	10545	2725	1500

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 759
Location: Pease River near Vernon, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
3-7-62	10765	2850	1600	7-4-62	11245	3063	1750
3-12	11718	2988	1800	7-11	12090	3250	1800
3-21	10090	2470	1475	7-18	9870	2575	1400
3-28	9690	2325	1750	7-25	6900	1620	1400
4-5	10600	2738	1667	8-1	5720	1430	875
4-11	15890	4450	2200	8-8	10100	2688	1400
4-13	17540	5125	2250	8-15	9300	2401	1533
4-18	13260	3625	1900	8-22	13040	3735	1975
4-25	11600	3100	1750	9-7	2200	432	475
4-27	4160	895	816	9-12	10470	2789	1766
5-2	10400	2688	1833	9-19	4085	825	916
5-9	11000	3050	1700	9-25	2600	550	750
5-16	13465	3663	2050				
5-23	10000	2513	1700				
5-30	2496	470	516				
6-1	660	86	132				
6-6	3143	655	600				
6-9	1020	157	230				
6-11	1470	240	330				
6-13	3840	820	666				
6-20	4510	950	975				
6-27	9550	2500	1400				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 755
Location: Pease River near Childress, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-3-59	21000	7800	-	3-2-60	29500	9750	2280
9-8	23500	9550	-	3-7	32500	11200	2940
9-16	26000	8900	-	3-14	32500	11150	2760
9-24	25000	8100	-	3-21	35000	11000	2800
10-8	28000	13000	-	3-28	35000	10000	2870
10-21	29000	10100	-	4-5	35000	16400	3180
10-29	30000	13000	3020	4-11	34500	10848	3060
11-11	30000	13500	3400	4-20	32500	10535	2950
11-24	17000	15500	2550	4-25	29000	10896	3250
12-2	39500	13250	3300	5-2	35000	10848	3000
12-10	37500	15000	3250	5-9	35000	10656	3200
12-16	4050	1150	600	5-16	35500	11712	2800
12-23	25000	8350	1940	5-23	5600	1404	825
12-30	32000	11000	2040	5-31	17500	5328	1750
1-4-60	37000	12000	2960	6-7	3350	581	766
1-13	22500	6400	1840	6-13	3450	620	583
1-18	25000	6900	2400	6-20	22000	6432	2143
1-25	31000	8700	2600	6-27	30500	8170	2800
2-2	34000	9900	2475	7-4	30500	10355	2900
2-10	23000	7400	2240	7-11	8600	2411	950
2-16	30000	9400	2800	7-20	17000	5252	1600
2-23	34000	11500	2880	7-25	22000	7323	2100

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 755
Location: Pease River near Childress, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-1-60	21500	8112	2643	1-3-61	13000	3800	1333
8-8	20900	15912	2900	1-10	20736	6764	2300
8-15	24400	7440	2650	1-16	22372	7150	2100
8-22	17100	5568	1549	1-23	29078	9620	2500
8-29	20000	6048	1800	1-30	28542	9721	2429
9-6	22113	8800	2286	2-6	21800	7128	2000
9-12	28900	9400	2571	2-13	21500	6881	2000
9-19	21500	7089	2429	2-20	22000	7272	2050
9-26	25250	8528	2250	2-27	11300	3313	1275
10-3	28900	9802	3140	3-6	23575	8509	2250
10-10	30800	10630	3214	3-13	27472	9646	2800
10-17	3750	790	550	3-20	13440	4208	1667
10-24	10900	3518	1200	3-27	24700	7994	2500
10-31	19404	6396	2166	4-3	24000	8400	2750
11-7	25134	8112	2500	4-10	29100	9650	2714
11-14	28024	8892	2750	4-17	30000	10350	2643
11-21	22200	6980	2550	4-24	30300	10750	2929
11-28	30105	10049	2571	5-1	29700	10200	2929
12-5	29400	9974	2786	5-8	28968	10150	3428
12-12	21100	6489	1850	5-15	29000	9200	3143
12-19	15500	4287	1633	5-22	30096	10300	3643
12-27	20600	6287	2050	5-29	28428	9600	3000

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 755
Location: Pease River near Childress, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-5-61	24157	8055	2800	10-25-61	27540	9900	3143
6-12	28757	10504	2929	10-30	27950	9600	2714
6-19	15360	4725	1600	11-2	8217	2110	1225
6-26	6984	1838	1100	11-3	17424	5475	1575
7-3	20988	6850	2100	11-6	31244	10600	2714
7-10	3480	755	683	11-13	31800	10650	2357
7-17	4598	1098	733	11-18	35600	12100	2429
7-24	9500	2677	1150	11-20	33100	11100	2500
7-31	24328	7954	2950	11-27	34100	11110	2857
8-7	24164	8003	2800	12-4	32656	11186	3000
8-14	24000	8012	2250	12-9	34200	11900	2857
8-21	11481	3185	1550	12-12	30900	10150	2500
8-28	24354	8294	2650	12-18	34680	11800	2714
9-5	27051	8827	2450	12-19	33456	11300	2857
9-8	10200	2798	1263	12-26	33990	11100	3143
9-11	29100	9555	2500	1-2-62	34615	11100	2571
9-18	2.560	9021	2775	1-6	35500	2900	2286
9-20	31000	10900	2714	1-8	33900	8550	1857
9-25	24948	7900	3250	1-15	31824	10650	2143
10-2	26082	8225	2650	1-23	28860	9550	2786
10-9	11640	3455	1225	1-29	30222	10201	2714
10-16	27920	9250	2643	2-3	33400	11500	3000

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 755
Location: Pease River near Childress, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-5-62	33300	11363	3000	6-4-62	33000	10875	2929
2-12	34000	11450	2714	6-5	5000	1125	983
2-19	34440	11450	2929	6-7	7680	1915	1425
2-20	34400	11800	2500	6-9	4030	900	733
2-24	33812	11500	2643	6-11	3600	680	850
2-26	34720	12000	2857	6-18	25400	8500	2300
3-5	34528	11600	3000	6-25	24400	8000	2300
3-12	33200	11400	3000	7-3	24570	8025	2500
3-14	36300	12000	2571	7-9	31435	10350	2929
3-26	34200	10925	3143	7-16	29300	4700	2857
4-3	34700	11650	3143	7-23	18050	5500	1750
4-6	35640	12450	3214	7-30	4990	1250	633
4-10	34950	11700	3214	8-6	30600	10450	2786
4-16	34400	11900	3214	8-13	27900	9312	2786
4-23	36000	12100	3143	8-20	28215	9458	2964
4-30	34400	11500	3000	8-27	28130	9215	3572
5-7	33700	11150	3143	9-4	32500	11204	2929
5-14	30690	9975	2929	9-11	31800	10961	3000
5-21	9410	2560	1425	9-17	4554	980	1000
5-28	33024	11000	2571	9-24	26520	8633	2550
6-1	6400	1570	1183				
6-2	6144	1555	1166				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 490
Location: North Fork of Red River near Headrick, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-29-59	2500	525	-	3-29-60	3200	675	660
10-6	1000	225	-	4-7	7800	1880	1000
10-27	8100	2225	880	4-13	7900	1997	1040
11-9	8400	2500	780	4-20	7000	1666	1000
11-23	11700	3050	980	4-27	8500	2630	1200
11-30	11800	3350	820	5-4	9500	2515	1300
12-8	12000	3600	980	5-10	8000	2112	1100
12-14	11300	3500	1020	5-18	9400	2520	850
12-21	1850	255	350	5-25	8500	2136	1050
12-28	6500	1425	660	6-2	7000	1776	1050
1-6-60	6000	1800	800	6-8	3450	749	550
1-14-60	5000	1175	700	6-15	2590	389	650
1-20	2800	515	560	6-22	7200	1824	1000
1-27	4900	1044	880	6-29	11000	3254	1300
2-1	3500	590	610	7-6	7500	2138	833
2-9	2100	295	510	7-13	9682	3283	1133
2-15	4100	820	660	7-20	5100	1379	950
2-25	3200	659	660	7-27	1840	323	510
3-1	7300	1855	1025	8-2	4490	1210	525
3-9	6000	1510	900	8-9	5768	1498	866
3-16	3950	900	700	8-16	5009	1296	700
3-23	4000	1015	700	8-23	5700	1402	750

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 490
Location: North Fork of Red River near Headrick, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-31-60	5450	1315	775	2-1-61	7811	2039	1050
9-8	8064	2575	1100	2-8	3980	869	683
9-14	9640	2825	1300	2-15	3050	589	583
9-21	9250	2678	900	2-22	4610	1061	700
9-28	6343	1755	763	3-1	3650	778	683
10-4	9250	2665	1113	3-8	7725	2081	1100
10-11	12200	3510	1167	3-15	8000	2336	1100
10-18	1110	203	155	3-22	2467	413	700
10-26	1910	315	410	3-29	5390	1143	1100
11-2	4307	863	750	4-5	3340	610	833
11-9	4774	1030	916	4-12	3330	615	883
11-16	7110	1755	1100	4-19	6800	1750	1050
11-23	5230	1208	883	4-26	7450	1963	1150
11-30	7537	1844	1166	5-2	3570	883	550
12-9	6607	1714	1050	5-10-61	5150	1240	950
12-14	4390	937	733	5-17	8910	2319	1275
12-20	3450	654	800	5-24	4460	1020	833
12-28	4356	924	766	5-31	8125	2163	1125
1-4	4444	975	766	6-7	1346	184	320
1-11	5491	1364	1000	6-14	2113	320	600
1-17	3953	865	733	6-20	2765	538	600
1-24	5547	1162	750	6-28	3502	740	600

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 490
Location: North Fork of Red River near Headrick, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-5-61	4408	1063	683	12-6-61	7395	1957	900
7-12	7160	2040	1000	12-8	7160	1657	850
7-19	6059	1550	816	12-11	7160	1925	850
7-26	5443	1290	1000	12-14	5033	1110	650
8-2	7312	2013	1050	12-15	6580	1710	550
8-9	8672	2389	1050	12-18	7300	950	683
8-15	7643	2058	950	12-20	8160	2125	738
8-22	1726	360	265	12-22	7245	1825	700
8-30	7180	1964	800	12-25	6592	1625	733
9-6	2509	529	383	12-28	7725	1988	750
9-12	3643	868	450	12-29	8029	2050	800
9-19	8232	2231	825	1-2-62	8029	2088	733
9-26	1436	193	330	1-4	7740	1975	733
10-3	4100	915	550	1-5	7900	2063	700
10-10	2611	525	320	1-8	6350	1525	733
10-17	5501	1410	533	1-9	7070	938	466
10-26	7488	2075	825	1-12	8881	2250	875
10-31	4557	1160	516	1-15	7062	1775	663
11-7	2386	428	466	1-17	6334	1530	766
11-14	5900	1390	666	1-19	7349	1875	883
11-21	5500	1350	583	1-23	8840	2263	950
11-29	7260	1818	833	1-25	6993	1750	883

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 490
Location: North Fork of Red River near Headrick, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-27-62	8094	2146	700	3-26-62	9000	2425	975
1-29	9053	2487	875	3-28	9588	2575	1050
1-31	8320	2222	800	3-30	9580	2513	1050
2-2	7600	1957	875	4-2	9170	2381	1000
2-5	7400	1906	933	4-5	9180	2475	1050
2-7	7850	2058	875	4-6	8880	2313	925
2-9	7742	1994	725	4-9	11000	3000	1133
2-12	8428	2245	725	4-11	11010	3038	1050
2-14	8484	2263	900	4-16	9000	2500	900
2-16	8653	2285	950	4-18	8570	2313	950
2-21	8740	2240	983	4-20	9600	2638	1050
2-23	8520	2219	850	4-23	9500	2525	975
2-26	8733	2219	875	4-25	8600	2262	925
2-28	9585	2500	1000	4-27	8300	2263	900
3-5	8946	2438	975	5-2	4570	950	933
3-7	8945	2400	975	5-7	7860	2038	1100
3-9	9200	2540	1025	5-9	8540	2250	1200
3-12	9355	2540	1100	5-16	10494	2863	1250
3-13	8900	2390	975	5-23	11904	3413	1333
3-16	8897	2365	850	5-30	874	138	170
3-21	9240	2400	925	5-28	1380	271	200
3-23	9100	2413	1050	6-1	2290	511	300

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 490
Location: North Fork of Red River near Headrick, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-4-62	2250	454	380				
6-6	2480	480	466				
6-8	1770	275	370				
6-11	1070	114	285				
6-13	2060	336	490				
6-20	1720	240	450				
6-27	2720	495	616				
7-4	5555	1355	916				
7-11	6880	1675	950				
7-18	6690	1663	950				
7-25	5260	1270	633				
8-1	4990	1210	883				
8-8	4077	828	850				
8-15	7030	1776	1083				
8-22	10470	2837	1250				
8-29	8924	2377	750				
9-7	6300	1588	950				
9-12	2975	713	400				
9-19	4000	970	566				
9-25	2350	325	710				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 753
Location: Elm Fork of North Fork near Carl, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-1-59	8100	2650	-	4-12-60	18500	5616	1750
10-7	11700	8550	-	4-19	20000	6272	1750
10-28	41000	18000	1900	4-26	17000	7152	1900
11-10	34000	13500	1800	5-3	25000	7488	2000
12-1	34000	11250	1720	5-10	22000	6672	2000
12-8	30000	13000	2080	5-17	25000	8112	1786
12-14	30000	13750	1600	5-24	25000	8688	2071
12-21	12800	4100	1240	6-1	21000	6432	1857
12-28	18000	5350	1400	6-7	9000	2088	1425
1-14-60	12000	2950	1418	6-14	21500	6528	1750
1-19	35000	9500	1720	6-21	35000	11616	2143
1-26	13500	3500	1440	6-28	30000	10355	1950
2-1	15000	4000	1600	7-5	50000	18430	2200
2-9	9750	2475	1440	7-12	20641	8131	1750
2-15	10500	2775	1440	7-19	17340	6136	1700
2-24	18500	5850	1650	7-26	17170	6717	1750
3-1	17000	5400	1550	8-2	30300	12000	1750
3-8	13000	4338	1500	8-9	56000	26760	2600
3-15	14000	4225	1700	8-16	61400	28680	2500
3-22	15500	4575	1750	8-23	38000	12432	1900
3-29	15000	4225	1640	8-31	24500	8208	1533
4-6	15750	4600	1760	9-7	33075	14350	1600

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 753
Location: Elm Fork of North Fork near Carl, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-13-60	21000	7175	1500	2-14-61	14600	4393	1533
9-20	38400	15402	1750	2-21	11322	3232	1500
9-27	23296	8216	1500	2-28	15200	4671	1600
10-4	31950	11310	2200	3-7	15244	4924	1766
10-11	26800	9343	1850	3-14	16320	5202	1667
10-18	2620	348	675	3-21	8602	2297	1575
10-25	6180	1326	1425	3-28	11730	3242	1750
11-1	9900	2548	1700	4-4	11600	3150	1800
11-8	10750	2899	1750	4-11	11300	3150	1700
11-15	12600	3315	1750	4-18	11520	3125	1750
11-22	11800	3230	1700	4-25	13260	3900	1700
11-29	11596	3156	1700	5-2	13974	4075	1800
12-6	13534	3985	1633	5-9	14420	4425	1900
12-13	12000	3245	1533	5-16	17850	5388	2000
12-20	12700	3399	1750	5-23	17820	5763	2050
12-28	13869	3832	1700	5-30	16932	5000	2000
1-4-61	14342	4192	1650	6-6	4592	813	1400
1-11	13440	4002	1730	6-13	12448	3812	1750
1-17	13907	4150	1650	6-20	13260	3913	1800
1-24	13671	3611	1600	6-27	15300	4750	1850
1-31	12412	3655	1500	7-4	17040	5250	1900
2-9	15244	4678	1500	7-11	16932	5550	1850

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 753
Location: Elm Fork of North Fork near Carl, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-18-61	25560	8725	1900	10-10-61	26093	9125	1800
7-25	14664	4547	1700	10-15	29526	10400	1750
8-1	24310	8294	2225	10-17	30418	10900	1850
8-8	33660	11931	2050	10-26	27040	9800	1950
8-15	24750	8379	1850	10-27	28210	9475	1975
8-22	31175	11172	2000	10-30	32250	11350	1800
8-29	44550	17363	1950	10-31	21070	7300	1700
9-6	41760	15326	1850	11-7	23968	7825	1650
9-7	42432	16296	2250	11-14	25200	8325	1650
9-9	39372	14647	1950	11-19	21400	7400	1550
9-12	45540	16878	1825	11-21	23000	7600	1550
9-14	26980	9627	1950	11-28	23310	7474	1650
9-16	26790	9361	1850	11-30	22310	7525	1700
9-19	40000	14647	1900	12-3	23325	8030	1650
9-22	34000	11900	1950	12-5	22256	7323	1600
9-24	36400	13200	2000	12-13	28700	9050	1750
9-26	38076	13750	2025	12-19	16320	4825	1375
9-29	23484	7850	1900	12-27	21012	6600	1550
10-1	28968	10075	1950	12-29	26040	8700	1750
10-3	33990	11950	1850	1-3-62	18705	5950	1500
10-5	24250	8450	1900	1-11	28210	9550	1750
10-7	25838	9150	1950	1-16	19170	6000	1500

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 753
Location: Elm Fork of North Fork near Carl, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-24-62	18204	5525	1550	6-5-62	15520	4563	1800
1-26	7210	1879	950	6-12	21000	6700	1750
1-30	21528	6313	1500	6-19	10700	2950	1750
2-4	22980	7725	1650	6-26	20000	6450	1800
2-6	25900	8636	1550	7-4	23058	7650	2100
2-13	18000	5500	1550	7-10	30690	10750	2000
2-20	23896	7700	1700	7-17	38600	13850	2300
2-22	26199	7650	1700	7-20	47000	17500	2450
2-27	45570	16300	1600	7-24	5950	1310	1200
3-6	22464	7200	1650	7-31	17280	5400	1800
3-13	23200	7400	1750	8-7	12200	3400	1650
3-20	33300	11200	1575	8-14	23680	7954	1950
3-27	24900	8000	1750	8-21	29140	10137	1925
4-4	24300	8075	1750	8-28	31040	10816	2250
4-11	24060	7825	1750	9-7	34600	12271	1750
4-17	27340	9300	1750	9-12	20200	6645	1950
4-24	30000	10175	1700	9-18	7050	1765	1124
5-1	12900	3725	1600	9-24	8980	2270	1500
5-8	19500	5950	1900				
5-15	21385	7350	1950				
5-22	18432	5800	1900				
5-29	23040	7450	1950				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 754
Location: Elm Fork of North Fork River at Salton Crossing, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-7-59	8150	3100	-	4-26-60	5400	1699	1850
10-28	10000	3100	1800	5-3	8250	1843	1800
11-10	9150	2500	1760	5-10	8400	1740	2571
12-1	7300	1900	1760	5-17	9400	2064	1571
12-8	5000	2300	1800	5-24	8200	1836	1786
12-14	8900	2350	1360	6-1	6950	1344	1600
12-21	4300	875	1120	6-7	3300	283	1375
12-28	6500	1150	1260	6-14	8350	1740	1725
1-19-60	7000	1138	1680	6-21	12500	3336	2000
1-26	4150	625	1500	6-28	11000	2803	1800
2-1	5100	738	1550	7-5	15000	4014	1857
2-9	4200	570	1600	7-12	9000	2222	1750
2-15	4450	590	1280	7-19	7800	1692	1600
2-24	6000	1215	1680	7-26	7500	1768	1833
3-1	5500	990	1650	8-2-60	9500	2916	1800
3-8	4300	760	1500	8-9	17000	6432	2100
3-15	4900	950	1600	8-16	19800	5952	2100
3-22	5200	1100	1650	8-23	12300	3312	1750
3-29	-	1030	1600	8-31	8400	4296	1550
4-6	6500	1205	1700	9-7	11718	3888	1550
4-12	6300	1190	1600	9-13	6540	1438	1550
4-19	7400	1431	1650	9-20	9220	2104	1550

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 754
Location: Elm Fork of North Fork River at Salton Crossing, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/1)	Sulfates (mg/1)	Date	Sp. Cond. (μmhos)	Chlorides (mg/1)	Sulfates (mg/1)
9-27-60	6085	1248	1500	3-7-61	5576	1091	1667
10-4	7200	1581	1883	3-14	5814	1141	1600
10-11	7900	1869	1766	3-21	4378	720	1533
10-21	3400	525	1525	3-28	5400	901	1633
10-25	3300	318	1467	4-4	5200	890	1768
11-1	4257	567	1583	4-11	5170	885	1667
11-8	4515	624	1700	4-18	5290	985	1600
11-15	4883	728	1667	4-25	5860	1120	1667
11-22	4800	747	1667	5-2	6038	1170	1766
11-29	5439	970	1600	5-9	6489	1340	1850
12-6	5575	970	1633	5-16	7507	1560	1900
12-15	5060	721	1533	5-23	7227	1555	2050
12-20	5030	742	1667	5-30	7200	1660	1900
12-28	5030	846	1633	6-6	2645	240	1150
1-4-61	5757	1101	1500	6-13	5983	1192	1700
1-11	5016	866	1700	6-20	6262	1220	1833
1-24	5292	909	1500	6-27	6600	1350	1766
1-31	4992	919	1533	7-4	6839	1440	1900
2-9	5480	990	1467	7-11	6834	1530	1766
2-14	5560	1000	1500	7-18	8199	1885	1833
2-21	4950	879	1367	7-25	6035	1242	1667
2-28	5600	1070	1533	8-1	8694	1998	2075

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/1 - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 754
Location: Elm Fork of North Fork River at Salton Crossing, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-8-61	10053	2474	1950	11-7-61	7704	1545	1600
8-15	7841	1819	1750	11-21	7140	1590	1433
8-22	9674	2407	1900	11-28	6660	1333	1667
8-29	10098	2637	1850	12-5	6812	1394	1533
8-31	11562	3201	1850	12-13	7175	1510	1700
9-2	14212	4098	2000	12-19	5670	1040	1333
9-6	9741	2362	1866	12-21	6018	1170	1333
9-7	8415	1940	1750	12-23	6970	1570	1400
9-9	8670	2013	1750	12-27	6221	1180	1467
9-12	9702	2389	1650	1-3-62	6299	1220	1367
9-19	9405	2231	1425	1-4	3195	395	933
9-22	9000	2100	1750	1-7	3186	390	967
9-24	10900	2938	1750	1-11	9900	2463	1400
9-26	8692	1890	1950	1-16	6825	1390	1300
10-3	8446	1915	1700	1-21	6053	1170	1300
10-7	8190	1860	1850	1-26	3502	535	1000
10-10	8536	2080	1700	1-30	5900	1101	1167
10-15	8214	1920	1650	2-6	6160	1242	1533
10-17	7945	1750	1667	2-13	6300	1260	1433
10-26	7210	1630	1700	2-20	6592	1300	1533
10-30	8060	1940	1533	2-25	6880	1465	1233
11-3	5883	1115	1533	3-6	6655	1340	1600

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 754
Location: Elm Fork of North Fork River at Salton Crossing, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
3-13-62	6560	1350	1667	8-7-62	6020	1190	1600
3-20	7700	1710	1667	8-14	8930	2211	1850
3-27	7270	1570	1633	8-21	11380	3128	1700
4-4	7060	1475	1633	8-28	16300	4753	2100
4-11	7600	1645	1500	9-7	9600	2449	1750
4-17	7390	1650	1766	9-12	8415	2018	1700
4-24	7600	1670	1667	9-18	2860	349	1167
5-1	6600	1410	1600	9-24	3775	446	1533
5-8	8190	1850	1806				
5-15	8712	2010	1700				
5-22	8736	2065	1850				
5-29	8448	1960	2250				
5-31	9312	2370	1850				
6-5	9120	2220	1650				
6-12	6300	1270	1766				
6-19	5000	885	1633				
6-26	8900	2138	1900				
7-4	11150	2963	1950				
7-10	11160	2788	2000				
7-17	16300	4900	1800				
7-24	2995	350	1200				
7-31	7490	1700	1866				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 483
Location: North Fork of Red River near Carter, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-3-59	2000	400	-	3-29-60	2400	342	720
10-7	2350	425	-	4-7	2750	328	760
10-28	4000	128	985	4-12	2500	324	760
11-10	3500	480	960	4-20	2800	335	750
11-23	3150	420	920	4-26	2400	362	850
11-30	3180	410	920	5-3	2800	317	825
12-8	3000	440	900	5-10	2800	331	825
12-14	2750	475	700	5-17	2500	331	713
12-21	1600	231	260	5-24	2500	295	975
12-28	2500	330	480	6-1	2050	182	625
1-6-60	2400	335	270	6-8	2250	230	725
1-14	2250	295	554	6-15	1250	136	300
1-19	2500	323	740	6-22	2800	362	800
1-26	2150	330	750	6-28	2300	271	800
2-1	2900	345	810	7-5	2500	314	725
2-9	2200	270	580	7-12	2000	259	650
2-15	2220	295	525	7-19	2400	269	750
2-25	2850	358	870	7-26	1950	240	616
3-1	3000	370	930	8-2	2600	338	750
3-8	2500	335	780	8-9	2650	343	838
3-15	2400	328	690	8-16	2400	314	800
3-22	2500	349	795	8-23	1720	271	417

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 483
Location: North Fork of Red River near Carter, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-31-60	2000	233	600	2-1-61	2560	303	800
9-7	2550	406	750	2-7	2470	264	750
9-13	2230	240	700	2-15	2650	321	770
9-20	2820	360	850	2-21	2530	303	750
9-27	1860	239	483	2-28	2800	346	883
10-4	2470	285	983	3-7	2680	328	916
10-11	2840	303	933	3-14	2650	333	883
10-18	920	103	200	3-22	2400	343	700
10-25	1900	227	500	3-28	2790	349	983
11-2	2370	273	750	4-4	2550	320	750
11-8	2500	281	800	4-12	3330	615	883
11-16	2590	296	833	4-19	2480	290	766
11-22	2490	281	816	4-26	2460	298	766
11-29	2610	282	816	5-2	1610	149	500
12-6	2600	287	833	5-9	2090	235	683
12-13	2730	315	833	5-16	2590	281	883
12-20	2800	348	916	5-23	1950	185	650
12-28	2710	330	833	5-30	2310	244	816
1-4-61	2650	318	800	6-7	650	49	170
1-11	2610	312	850	6-13	1790	201	500
1-17	2610	313	816	6-20	2000	241	600
1-24	2770	295	816	6-27	2230	254	700

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 483
Location: North Fork of Red River near Carter, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-5-61	2410	275	850				
7-11	1580	182	460				
7-18	1080	115	260				
7-25	1690	196	550				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 481
Location: Salt Fork of Red River near Mangum, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-30-59	580	40	-	3-29-60	1800	149	780
10-7	1600	275	1370	4-7	3450	221	1440
10-28	3200	200	1995	4-12	3000	194	1440
11-10	3000	255	1300	4-20	3600	243	1775
11-23	3450	285	1600	5-5	2900	204	1500
11-30	3180	270	1440	5-10	4000	355	1650
12-8	3000	285	1400	5-18	3050	286	1550
12-14	3000	250	1240	5-25	2150	182	975
12-21	1850	165	520	6-1	2150	133	825
12-28	2400	200	740	6-8	1300	97	450
1-6-60	2200	205	1020	6-15	1880	133	608
1-14	2200	181	774	6-22	3080	228	1325
1-19	2400	193	980	6-28	1900	163	683
1-26	2400	200	880	7-5	2000	130	800
2-1	2600	190	970	7-12	1650	182	583
2-9	2350	195	960	7-19	2400	189	1000
2-15	2750	215	1175	7-26	1850	179	733
2-25	3200	261	1500	8-23	2150	190	850
3-1	3200	240	1475	8-31	1700	93	666
3-8	2400	204	1075	9-7	2140	145	875
3-15	2450	222	1050	9-14	2060	176	750
3-22	2600	248	1260	9-21	1520	77	616

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 481
Location: Salt Fork of Red River near Mangum, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-28-60	1950	158	641	2-28-61	2740	210	1200
10-4	2520	186	1375	3-7	2910	220	1400
10-11	2960	216	1500	3-14	3060	211	1575
10-18	920	46	320	3-22	2080	184	875
10-25	2310	206	850	3-28	2730	228	1125
11-2	2220	163	975	4-4	2740	260	1150
11-9	2580	183	1225	4-11	3300	382	1300
11-16	2630	198	1150	4-19	2970	208	1370
11-22	2640	203	1250	4-26	3130	201	1625
11-29	2730	206	1200	5-2	3000	189	1866
12-6	2680	202	1200	5-23	3340	249	1866
12-13	2020	174	733	6-7	1280	93	450
12-20	2610	206	1100	6-13	2160	177	983
12-28	2540	207	1050	6-20	2430	194	1150
1-4-61	2440	191	975	6-27	1560	177	583
1-11	2570	217	1200	7-5	2670	178	1375
1-17	2630	226	1125	7-11	1540	126	616
1-24	2960	223	1100	7-18	1270	96	450
2-1	2640	201	1100	7-25	1110	78	390
2-7	2410	179	975	8-15	1920	83	1033
2-15	2720	196	1025	8-22	1850	165	675
2-22	2490	195	1025	11-7	2510	214	1025

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 481
Location: Salt Fork of Red River near Mangum, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
11-14-61	2920	222	1037	2-13-62	2760	224	1100
11-21	2600	207	875	2-16	2940	220	1200
11-28	2820	224	1100	2-19	3000	230	1275
12-5	2510	220	1050	2-20	3130	237	1325
12-13	3330	284	1333	2-23	3110	225	1250
12-15	2680	213	875	2-26	3100	222	1150
12-20	2310	201	616	2-27	3070	229	1275
12-21	2640	212	950	3-2	3200	230	1425
12-27	2860	210	1133	3-5	3300	251	1475
12-31	2970	224	1000	3-6	3430	272	1475
1-3-62	3050	240	875	3-9	2870	223	1250
1-6	2890	233	1050	3-12	3330	279	1575
1-12	3820	318	1400	3-15	3180	255	1550
1-16	2830	196	975	3-16	3310	248	1275
1-19	3550	274	1600	3-19	3220	230	1425
1-22	3870	332	1533	3-20	3340	238	1625
1-24	3040	229	1200	3-23	3440	261	1700
1-29	2000	158	633	3-26	3320	237	1667
1-30	2080	172	683	3-27	3500	246	1667
2-5	2650	218	1125	3-30	3790	281	1900
2-6	2670	220	1125	4-9	3530	328	1400
2-8	2800	217	938	4-11	3290	286	1467

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 481
Location: Salt Fork of Red River near Mangum, Oklahoma
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-13-62	3280	261	1533	6-4-62	2990	222	1550
4-16	3470	268	1766	6-5	2870	211	1425
4-17	3350	259	1766	6-9	1440	58	666
4-21	3760	275	1900	6-11	2060	140	950
4-23	3640	259	1900	6-12	1960	139	883
4-24	3120	226	1475	7-17	1900	69	983
4-28	1800	143	650	7-24	1700	87	750
4-30	2160	179	850	7-31	2270	171	1100
5-1	2500	204	950	8-7	2130	170	850
5-5	3070	258	1375	8-14	2850	200	1475
5-7	3170	259	1500	8-21	3080	244	1500
5-8	3160	256	1550	9-18	1360	80	583
5-11	3710	289	1766	9-25	2030	119	883
5-14	3800	292	1833				
5-15	3660	282	1700				
5-19	3210	292	1467				
5-22	2740	259	1150				
5-22	2880	269	1250				
5-26	1820	102	833				
5-28	2660	183	1250				
5-29	2780	189	1375				
6-1	2110	133	1000				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 703
Location: Salt Fork of Red River near Wellington, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-1-59	820	145	-	4-6-60	3550	298	900
10-7	2350	375	-	4-12	3250	281	1425
10-28	4000	375	820	4-20	3400	225	1500
11-10	3300	295	1300	4-26	3000	253	1550
12-1	3200	425	1230	5-3	3500	238	1500
12-9	3000	335	1300	5-10	3500	194	1450
12-14	2850	350	1000	5-17	2900	215	1450
12-21	2000	235	540	5-24	2800	225	1400
12-28	2600	250	700	6-1	1400	128	400
1-5-60	2200	270	880	6-7	1050	84	300
1-13	2300	228	700	6-14	2150	190	650
1-19	2700	273	1120	6-21	3350	259	1375
1-26	1700	165	520	6-28	3000	236	950
2-1	2400	228	890	7-5	3300	323	1375
2-9	2400	250	820	7-12	2200	218	833
2-15	2700	258	800	7-19	1600	154	500
2-24	3200	288	1375	7-26	3000	165	1250
3-1	3100	328	1140	8-2	3150	250	1475
3-8	2100	264	700	8-9	3050	228	1550
3-15	2200	259	840	8-16	3100	198	1475
3-22	2750	302	1150	8-23	2000	175	70
3-29	2500	291	1000	8-30	3300	315	1167

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 703
Location: Salt Fork of Red River near Wellington, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-7-60	2630	219	1367	2-7-61	2900	275	1125
9-13	2910	265	1167	2-14	2610	240	950
9-20	3110	249	1400	2-21	2150	226	700
9-27	2660	275	963	2-28	2800	267	1200
10-4	3080	277	1533	3-7	2970	287	1250
10-11	3280	295	1483	3-14	2830	257	1250
10-18	740	56	250	3-21	2040	223	683
10-25	2060	224	700	3-28	2390	204	916
11-1	2450	241	950	4-4	2600	241	1082
11-8	2430	233	900	4-11	2500	216	1050
11-15	2570	255	950	4-18	2610	210	1100
11-22	2580	258	1000	4-25	2890	186	1375
11-29	2810	263	1067	5-2	2670	198	1275
12-6	2500	257	850	5-9	2270	190	875
12-13	2060	202	666	5-16	2690	175	1250
12-20	2700	269	950	5-23	2480	166	1125
12-28	2570	259	975	5-30	3200	234	1600
1-4-61	2510	253	875	6-6	1020	86	340
1-11	2470	264	975	6-13	2490	232	1025
1-17	2530	268	900	6-20	2690	248	1167
1-24	2520	251	775	6-27	1680	154	583
1-31	2360	237	800	7-4	3380	322	1600

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 703
Location: Salt Fork of Red River near Wellington, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-11-61	1840	177	683				
7-18	1360	112	466				
7-25	1820	164	650				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 750
Location: Red River near Quanah, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-3-59	7000	3200	-	3-2-60	26000	9100	2300
9-8	8300	4550	-	3-7	29500	9875	2400
9-16	9700	3800	-	3-14	27500	9150	2760
9-24	14000	4300	-	3-21	23000	7600	2400
10-8	20000	7000	-	3-28	31500	10550	2450
10-21	14200	4900	-	4-5	17500	5030	2200
10-29	15000	4650	2010	4-11	16800	4550	2200
11-11	13700	5100	2480	4-18	16600	4900	2250
11-24	21500	7000	1280	4-25	16800	4512	2450
12-2	25300	8250	2520	5-4	17000	4944	2550
12-10	24200	9500	2360	5-11	16000	4368	2200
12-16	17000	5200	1640	5-18	10400	2616	1300
12-23	20000	6450	1420	5-25	17000	4776	1850
12-30	25000	9500	1800	6-2	16800	4752	1550
1-4-60	34000	10000	2520	6-9	5000	1044	766
1-13	29000	8500	2080	6-15	9100	2400	1349
1-18	25000	7900	2200	6-23	20000	5760	2200
1-25	30000	9300	2275	6-29	20000	5890	2050
2-2	30000	8600	2400	7-4	21500	6793	2450
2-10	29000	9500	2550	7-13	5365	1603	800
2-16	27500	9200	2250	7-20	7600	2399	1050
2-23	23500	7500	2640	7-27	13390	4621	1700

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 750
Location: Red River near Quanah, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-3-60	15400	5184	2100	1-3-61	21420	6414	2143
8-8	15300	5712	2400	1-10	24250	7878	2500
8-17	15800	4752	1500	1-16	24768	8675	2286
8-24	12800	3504	1333	1-23	24198	7878	2143
8-30	13700	3864	1167	1-30	23805	8080	2143
9-6	16632	6300	1800	2-6	22800	7326	2071
9-12	22500	6300	1750	2-13	23200	7574	2143
9-19	26100	8568	2300	2-20	22018	7373	2100
9-26	15392	4784	1625	2-27	23400	7272	2200
10-3	21220	6864	3000	3-6	21525	4141	1900
10-10	19100	5959	2075	3-13	21412	6868	2400
10-17	7340	1768	983	3-20	16512	5346	1750
10-24	11000	3373	1050	3-27	23900	7673	2429
10-31	19622	5772	1850	4-3	25600	7800	2500
11-7	21050	6656	2250	4-10	22900	7400	2450
11-14	23278	7384	2250	4-17	19600	5950	2400
11-23	23400	7524	2357	4-24	21200	6700	2250
11-28	24975	8316	2429	5-1	21200	6500	2650
12-5	23664	7598	2357	5-8	30600	10925	3785
12-12	17400	5202	1650	5-15	19998	6050	2800
12-21	24400	7184	2429	5-24	19800	6350	2300
12-27	23366	7929	2286	5-31	19055	5850	2786

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 750
Location: Red River near Quanah, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-5-61	20099	6616	2000	10-18-61	18080	5500	2250
6-14	19590	6010	2500	10-27	16770	5125	2300
6-20	27000	9350	2714	11-1	23870	8100	2500
6-26	12998	3750	2000	11-8	23861	7800	2214
7-3	19400	6425	2450	11-15	21200	6250	1700
7-10	9900	2800	1800	11-17	37600	12950	2143
7-19	9024	2463	1200	11-22	27000	9100	2214
7-26	10659	2746	1200	11-24	31820	10555	2571
8-2	18233	5675	2500	11-25	32465	10908	2143
8-9	18216	5529	2200	11-29	28544	8964	2429
8-16	18600	5709	2429	12-6	29016	9949	2286
8-25	16050	4974	1900	12-11	32400	11300	2571
8-30	19404	5917	2200	12-12	36192	12400	2143
9-7	18574	5578	2200	12-20	29784	9800	2214
9-11	24240	8197	2571	12-23	28840	9800	2214
9-13	19400	5990	1925	12-28	26780	8550	2429
9-20	17372	5020	2550	1-4-62	27735	8850	2000
9-26	21483	6700	2600	1-16-62	31050	10900	2500
9-27	29500	9750	2714	1-23	31200	11000	3000
10-4	16933	5275	2100	1-25	27750	8950	2214
10-9	9071	2488	1425	1-31	26624	8989	2000
10-11	41302	14850	3000	2-7	26520	8585	2500

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 750
Location: Red River near Quanah, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-14-62	26400	8500	2143	5-30-62	20928	6450	2650
2-21	26786	8150	2429	6-4	31000	10950	2857
2-26	24960	8100	2357	6-5	12200	3519	1475
2-27	27664	9250	2536	6-5	17100	5150	1900
2-28	27250	8600	2500	6-8	9310	2650	1125
3-7	26624	8375	2500	6-9	4420	1150	500
3-12	31248	9950	2643	6-11	10200	2794	1275
3-21	33000	10600	2679	6-12	13100	3788	1700
3-27	21600	6425	2400	6-13	14800	4288	1850
4-5	20600	6125	2450	6-20	9250	2469	1375
4-7	37620	13300	3143	6-27	9200	2525	1200
4-10	32670	11200	2929	7-3	21545	6950	2400
4-11	29510	9525	2857	7-11	17855	5225	2300
4-17	22440	7200	2450	7-17	23000	7300	2500
4-25	29000	9275	2857	7-25	8830	2450	1000
4-27	13100	3625	1550	8-1	8065	2300	975
4-30	11800	3400	1450	8-8	16100	4875	1500
5-1	13400	3963	1700	8-15	13875	4038	1950
5-2	15400	4575	1850	8-22	12120	3322	1725
5-9	22000	6700	2650	8-28	16684	4947	2450
5-15	19210	5800	2500	9-7	24600	8051	2475
5-23	25344	8125	2857	9-12	17017	5287	2200

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 750
Location: Red River near Quanah, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-19-62	13200	2025	1300				
9-25	6100	1630	600				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 478
Location: Red River near Brice, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-1-59	8200	2750	-	6-21-60	19000	5184	2000
10-7	24900	9225	-	6-28	22000	6413	2143
11-3	19000	5200	1540	7-5	30000	10070	2143
12-15	6000	1600	860	7-12	2307	550	460
12-23	15000	4850	1180	7-19	8260	2576	1325
12-30	25000	6375	1680	7-26	23470	9494	2214
1-5-60	20500	7250	2040	8-1	36500	15072	2750
1-13	27000	7700	1900	8-15	8700	2256	1183
1-19	30000	9300	2650	8-22	3400	720	521
1-26	26500	7600	2075	8-30	6400	1373	1250
2-2	19000	7925	2000	9-13	21600	7000	1550
2-10	25000	8600	2560	9-20	11520	3213	1225
2-16	26000	8400	2310	9-27	13390	4134	1400
2-24	69000	26750	3400	10-4	52400	23075	2857
3-1	27000	9400	2450	10-18	2590	414	600
3-8	26000	12300	2380	10-25	11700	3498	1333
3-15	34000	12200	2450	11-1	16038	5044	1950
3-29	30000	10300	2870	11-8	18060	5512	2100
5-18	7000	1536	1325	11-15	19800	6084	2100
6-1	15900	4656	2100	11-22	21300	6806	2250
6-7	8450	1740	1750	11-29	26537	8663	2400
6-14	6350	1450	875	12-6	22885	7351	2250

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 478
Location: Red River near Brice, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-13-60	23700	7571	2200	7-25-61	9400	2625	1150
12-20	28000	8601	2650	8-1	36652	13313	2500
12-27	27324	9115	2500	8-15	23200	7718	2100
1-4-61	26000	8838	2300	8-22	9585	2603	1200
1-10	26880	9216	2700	9-10	7854	1976	1325
1-17	28764	10000	2550	9-12	16464	4777	1700
1-24	37195	12221	2500	9-14	14784	4389	2100
1-31	24960	8383	2400	9-16	12672	3504	2150
2-7	26500	8861	2500	10-10	16896	5400	1550
2-14	30800	10148	2450	10-31	9020	2325	1500
2-21	23200	7929	2050	11-20	25500	8450	1900
2-28	31442	11767	2750	11-19	21600	6950	1750
3-21	24384	8514	2300	11-23	28034	9141	2300
3-28	30700	10048	2800	11-26	39618	14039	2214
4-4	32000	11050	3100	12-6	17574	5250	1500
4-11	39800	14000	3286	12-10	56000	22700	3143
6-6	8874	2310	1600	12-13	59328	22300	2571
6-19	6014	1320	1425	12-14	52600	19800	2286
6-27	8019	2100	1375	12-17	30000	10400	2000
7-4	37810	14700	2857	12-19	40800	14500	2000
7-11	8568	2400	1100	12-21	53800	20800	3286
7-18	6732	1785	975	12-24	31824	11300	2100

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 478
Location: Red River near Brice, Texas
Basin: Red River
Tributary to: Red River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-27-61	26520	8550	2100	4-28-62	27200	9375	2250
12-28	58050	22100	2678	5-1	65000	24400	3429
12-30	57190	22000	2714	5-3	66000	24100	3643
1-3-62	57190	21200	2571	5-17	24552	7900	3100
1-7	59987	22900	2929	5-20	15048	4375	1833
1-16	59488	23300	2500	6-3	11760	3225	2000
1-20	59214	23500	2857	6-5	6200	1463	1225
1-24	53600	20300	3214	6-10	11000	3100	1700
1-25	55806	21816	2571	6-12	6800	1713	950
1-28	27300	9040	2200	6-19	6750	1688	1050
1-30	28700	9747	2250	6-26	5600	1388	875
2-1	35200	11615	2550	7-3	23058	7700	2000
2-3	49000	17978	2857	7-10	7670	1830	1275
2-6	45300	16261	2643	7-17	8790	2188	1750
2-8	49500	18100	2286	7-24	6530	1563	1200
2-11	22770	7275	2275	7-31	3180	740	600
2-13	10600	2563	1950	8-7	8650	2300	1225
2-15	10712	2750	2050	8-14	14400	4365	1900
2-19	7349	1410	2150	9-6	13500	3856	2000
2-21	7659	1455	2150				
2-27	8062	1450	1775				
4-26	54000	20650	3500				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.